

EPA Registration No.
10324-85 vol. 9

Oiguenblik, Emilia

From: Lisa M. Amadio <lmamadio@pilotchemical.com>
Sent: Tuesday, April 04, 2017 3:31 PM
To: Oiguenblik, Emilia
Cc: Megan Priest; Kresti A. Lyddon
Subject: RE: 10325-85 label amendment submitted on Jan.5, 2017
Attachments: 010324-00085.20170404.Maquat 86-M.pdf

Hi Emilia,

Yes, back to the real world. Looking forward to seeing you tomorrow!

Attached is the updated label with the term "evaporative" added in front of humidifiers.

If you have additional modifications, please let me know.

Regards,
Lisa

Lisa M. Amadio | Senior Regulatory Consultant
Technology Sciences Group Inc. (TSG)
Acting Agent for
Mason – A Pilot Chemical Company
723 W Algonquin Rd, Arlington Hts, IL 60005
d: 202.828.8998 | o: 224.404.2029

From: Oiguenblik, Emilia [mailto:Oiguenblik.Emilia@epa.gov]
Sent: Tuesday, April 04, 2017 8:35 AM
To: Lisa M. Amadio
Subject: 10325-85 label amendment submitted on Jan.5, 2017

Hi Lisa,
What's about your vacations?
Welcome to a real word.
Please make minor corrections on pages 6, 8, 9 and 12.
Your label must be absolutely perfect!

Emilia Oiguenblik
Antimicrobial Division
S-8824
Telephone: 703-347-0199
Email: Oiguenblik.Emilia@epa.gov

Oiguenblik, Emilia

From: Lisa M. Amadio <lmamadio@pilotchemical.com>
Sent: Wednesday, March 15, 2017 12:54 PM
To: Oiguenblik, Emilia
Subject: RE: 10324-85 My questions

Hi Emilia,

My flight was cancelled so I did not make it into town.

As for the highlighted information, in past reviews you have asked us to provide strain information when missing. We have proactively added that information into the Maquat 86-M Master Label as that detail was missing from the previous label.

Regards,
Lisa

Lisa M. Amadio | Senior Regulatory Consultant
Technology Sciences Group Inc. (TSG)
Acting Agent for
Mason – A Pilot Chemical Company
723 W Algonquin Rd, Arlington Hts, IL 60005
d: 202.828.8998 | o: 224.404.2029

From: Oiguenblik, Emilia [mailto:Oiguenblik.Emilia@epa.gov]
Sent: Wednesday, March 15, 2017 11:09 AM
To: Lisa M. Amadio
Subject: 10324-85 My questions

Hi Lisa,

Looking at the label I noticed that a lot of information about microorganisms is added to the Organism List.
Is it OK or just a result of copy/paste?

Unfortunately I could not find the answer myself.

For your convenience the organism lists from the last stamped label and from proposed label (with my marks) are attached.

If you are in Washington do you admire our adorable weather?

Emilia Oiguenblik
Antimicrobial Division
S-8824
Telephone: 703-347-0199
Email: Oiguenblik.Emilia@epa.gov

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Oiguenblik, Emilia

From: Oiguenblik, Emilia
Sent: Wednesday, March 15, 2017 12:09 PM
To: 'Lisa M. Amadio'
Subject: 10324-85 My questions
Attachments: Organism list for 010324-00085.20170309.Maquat 86-M.pdf; Organism list for 010324-85 Maquat 86-M Stamped on Aug. 20, 2014.pdf

Hi Lisa,

Looking at the label I noticed that a lot of information about microorganisms is added to the Organism List.

Is it OK or just a result of copy/paste?

Unfortunately I could not find the answer myself.

For your convenience the organism lists from the last stamped label and from proposed label (with my marks) are attached.

If you are in Washington do you admire our adorable weather?

Emilia Oiguenblik
Antimicrobial Division
S-8824
Telephone: 703-347-0199
Email: Oiguenblik.Emilia@epa.gov

Oiguenblik, Emilia

From: Lisa M. Amadio <lmamadio@pilotchemical.com>
Sent: Thursday, March 09, 2017 9:06 AM
To: Oiguenblik, Emilia
Cc: Megan Priest; Kresti A. Lyddon
Subject: RE: 10324-85 Label
Attachments: 010324-00085.20170309.Maquat 86-M.pdf

Hi Emilia,

Attached is an updated label for Maquat 86-M.

Thank you for catching the RTU information, I apologize for missing that!

1. Updated organism list to remove concentrate information.
2. Removed {Tolerance} from organic load statements on pg. 4.
3. Added premises to "Bottle Washing"
4. Removed treated from {} for cross contamination
5. Removed fogging (wet misting) apparatuses from General Marketing.
6. Added Note to Reviewer for fragrance claims in marketing.
7. Removed use-dilution statement in marketing.
8. Removed equivalent dilution statement from note to reviewer in directions for use.
9. Exchanged "Prepare a fresh" for "Change" solution in 18 instances on the label.

If you require any more changes, please let me know.

Best regards,
Lisa

From: Oiguenblik, Emilia [mailto:Oiguenblik.Emilia@epa.gov]
Sent: Wednesday, March 08, 2017 11:01 AM
To: Lisa M. Amadio
Subject: 10324-85 Label

Hi Lisa,

Now I am working on 10324-85 label.
Please find my comments.

Some of our blooming trees were frozen...

Emilia Oiguenblik
Antimicrobial Division
S-8824
Telephone: 703-347-0199
Email: Oiguenblik.Emilia@epa.gov

Oiguenblik, Emilia

From: Lisa M. Amadio <lmamadio@pilotchemical.com>
Sent: Thursday, March 09, 2017 2:03 PM
To: Oiguenblik, Emilia
Cc: Kresti A. Lyddon; Megan Priest
Subject: RE: 10324-85 One more comment on page 19
Attachments: 010324-00085.20170309.Maquat 86-M.pdf

Emilia,

Attached is the revised label with the NSF/Kosher removed. We verified that no existing supplemental have these certifications at this time.

Regards,
Lisa


Lisa M. Amadio | Senior Regulatory Consultant
Technology Sciences Group Inc. (TSG)
Acting Agent for
Mason – A Pilot Chemical Company
723 W Algonquin Rd, Arlington Hts, IL 60005
d: 202.828.8998 | o: 224.404.2029

From: Oiguenblik, Emilia [mailto:Oiguenblik.Emilia@epa.gov]
Sent: Thursday, March 09, 2017 8:51 AM
To: Lisa M. Amadio
Subject: 10324-85 One more comment on page 19

Sorry, did not notice before...

Emilia Oiguenblik
Antimicrobial Division
S-8824
Telephone: 703-347-0199
Email: Oiguenblik.Emilia@epa.gov

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 EPA	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number <p style="text-align: center;">10324-85</p>	2. EPA Product Manager <p style="text-align: center;">Eric Miederhoff</p>	3. Proposed Classification <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> None <input type="checkbox"/> Restricted </div>
4. Company/Product (Name) <p style="text-align: center;">Maquat® 86-M</p>	PM# <p style="text-align: center;">31</p>	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 723 W. Algonquin Road Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3 (c) (3) (b) (i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name: _____

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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Explanation: Use additional Page(s) if necessary. (For section I and Section II)**Label Amendment:** 1) Updated label to Mason Master Label format; 2) Updated marketing and Directions for Use and 3) 3) Correct Typographical errors.**Contact:** Lisa M. Amadio, lmamadio@pilotchemical.com, 224.404.2029 or Megan Priest, mpriest@tsqusa.com, 202.828.8954.**Section - III**

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Package wgt. No. Per Container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container <p style="text-align: center;">1 qt., 1, 5 and 55 gallons Totes, Bulk</p>	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Other <u>Plastic Sleeve/Silk Screened</u>			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application.)			
Name <p style="text-align: center;">Lisa M. Amadio</p>	Title <p style="text-align: center;">Registration Manager</p>	Telephone No. (Include Area Code) <p style="text-align: center;">224.404.2029</p>	
Certification I certify that the statements which I have made on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title <p style="text-align: center;">Registration Manager</p>		
4. Typed Name <p style="text-align: center;">Lisa M. Amadio</p>	5. Date <p style="text-align: center;">1-5-17</p>		



"The Quaternary Specialists"

January 5, 2017

Document Processing Desk (AMEND)
Attn: Eric Miederhoff, PM 31
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard, Rm. S4900
2777 S. Crystal Drive
Arlington, VA 22202

ELECTRONIC SUBMISSION

Subject: Label Amendment for Maquat® 86-M, EPA Reg. No. 10324-85

Eric,

Mason Chemical Company is submitting label amendment for Maquat® 86-M, EPA Reg. No. 10324-85. This label is being updated to the updated Mason Master Label template. As the changes are so extensive, we are not providing a highlighted copy of the label however a summary of the changes include: updating the marketing, streamlining the Directions for Use by removing redundancies and clarifying dilution rates and application methods. We have made no changes to the First Aid, Precautionary Statements and the Storage and Disposal statements.

The following materials are enclosed in support of this application:

- An Application Form (EPA Form 8570-1).
- One (1) clean copy of the proposed labeling

If you have any questions regarding this amendment, please don't hesitate to contact me at 224-404-2029 or lmamadio@pilotchemical.com.

Best regards,

Lisa M. Amadio
Registration Manager
Mason Chemical Company

DOCUMENTUM

PROCESSING REQUEST

Reg #: 10324-85

Description: CSF Amendment

Material Available Electronically (see PPLS):

☐ Electronic Label/Letter Dated:

☐ Other:

Material Sent (see jacket):

☐ Stamped Label/Letter Dated:

☐ Notification Dated:

☒ New CSF(s) Dated: 8/25/14, 10/20/14

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: John Cowden

Division: AD

Phone: 703-347-0259

Date: 2/20/15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 4, 2014

Lisa M. Amadio
Mason Chemical CO
721 W. Algonquin RD
Arlington Heights, IL 60005

Subject: CSF Amendment – Alternative CSF
Product Name: Maquat 86-M
EPA Registration Number: 10324-85
Application Date: 08/25/2014
Decision Number: 1156

Dear Ms. Amadio:

The Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

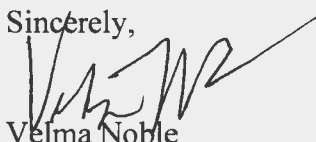
Please note that the record for this product currently contains the following CSFs:

- Basic Formulation CSF dated 10/07/2011
- Alternate CSF # 5 dated 10/07/2011
- Alternate CSF # 6 dated 10/07/2011
- Alternate CSF # 7 dated 10/07/2011
- Alternate CSF # 8 dated 10/07/2011
- Alternate CSF # 9 dated 10/07/2011
- Alternate CSF # 10 dated 10/07/2011
- Alternate CSF # 11 dated 10/07/2011
- Alternate CSF # 12 dated 10/07/2011
- Alternate CSF # 13 dated 10/07/2011
- Alternate CSF # 14 dated 10/07/2011
- Alternate CSF # 15 dated 10/07/2011
- Alternate CSF # 16 dated 10/07/2011
- Alternate CSF # 17 dated 10/07/2011
- Alternate CSF # 18 dated 10/07/2011
- Alternate CSF # 19 dated 10/07/2011
- Alternate CSF # 20 dated 10/07/2011
- Alternate CSF # 21 dated 10/07/2011
- Alternate CSF # 22 dated 10/07/2011

- Alternate CSF # 23 dated 10/07/2011
- Alternate CSF # 24 dated 10/07/2011
- Alternate CSF # 25 dated 10/07/2011
- Alternate CSF # 26 dated 10/07/2011
- Alternate CSF # 27 dated 10/07/2011
- Alternate CSF # 28 dated 10/07/2011
- Alternate CSF # 29 dated 08/25/2014
- Alternate CSF # 30 dated 10/20/2014
- Alternate CSF # 31 dated 04/09/2012
- Alternate CSF # 32 dated 04/09/2012
- Alternate CSF # 33 dated 04/09/2012
- Alternate CSF # 34 dated 04/09/2012
- Alternate CSF # 35 dated 04/09/2012
- Alternate CSF # 36 dated 04/09/2012
- Alternate CSF # 37 dated 04/09/2012
- Alternate CSF # 38 dated 04/09/2012
- Alternate CSF Brillo-CS dated 10/7/2011

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact John Cowden by phone at 703-347-0259, or via email at Cowden.johnc@epa.gov.

Sincerely,



Velma Noble

Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

Antimicrobials Division (AD)

October 22, 2014

EPA Reg#: 10324-85		DP Barcode: 422809	
		Submission #: 957010	
Product name: Maquat 86-M		Registrant: Mason Chemical Company	
Reviewer's name: Juan F. Negrón		AD/PSB/CTT- Product Chemistry Reviewer	
Agency due date: 11/25/14		PSB received date: 9/18/14	
CTT received date: 9/18/14		Science received date: 9/23/14	
Formulation type: MUP		Pesticide classification: Microbicide/microbistat	
Integrated system: <input type="checkbox"/>	Non-integrated system: <input checked="" type="checkbox"/>	Food use: <input type="checkbox"/>	Non food use: <input checked="" type="checkbox"/>
Action Code: 362	Date Completed: 10/20/2014		
069105	68424-85-1	n-Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	0.34
Molecule structure (optional):			
069165	32426-11-2	Octyl decyl dimethyl ammonium chloride	0.026
Molecule structure (optional):			
069149	7173-51-5	Didecyl dimethyl ammonium chloride	0.013
Molecule structure (optional):			
069166	5538-94-3	Diocetyl dimethyl ammonium chloride	0.013
Molecule structure (optional):			
MRID:		Guideline:	
Approver: Karen P. Hicks		Approved date: 10/22/2014	

[Handwritten signature]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

Antimicrobials Division (AD)

October 22, 2014

MEMORANDUM

Subject: Product Chemistry Review for EPA Reg # 10324-85.
Product Name: Maquat 86-M
DP Barcode: 422809

From: Juan F. Negrón, Chemist *JFN*
Product Science Branch, CT Team
Antimicrobials Division (7510P)

Thru: Karen P. Hicks, CT Team Leader *Chris Jiang*
Product Science Branch *for KPH*
Antimicrobials Division (7510P) *10/22/14*

To: Velma Noble / John C Cowden
PM Team 31

APPLICANT: Mason Chemical Company
Action code: 362
Due date: 11/25/2014

Product Formulation
Active Ingredients from label:

	% by wt.
n-Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆)	
dimethyl benzyl ammonium chloride	0.34
Octyl decyl dimethyl ammonium chloride	0.026
Didecyl dimethyl ammonium chloride	0.013
Diocetyl dimethyl ammonium chloride	0.013

BACKGROUND:

The registrant, Mason Chemical Company, is submitting an amendment for the end-use product, "Maquat 86-M" non-integrated system for non-food use. The purpose of the amendment is make minor mathematical corrections to alternate #s (29 & 30) formulations. The Product Chemistry Reviewer has reviewed the following documents:

- Confidential Statements of Formula (CSFs), dated 08/25/2014 & 10/20/2014, for alternate #s (29 & 30) formulations.
- A letter, dated 8/25/2014.
- An application for pesticide amendment, dated 08/25/2014.
- A label, dated 8/20/2014.

FINDINGS:

1. The CSF, dated 08/25/2014, for alternate #30 formulation is obsolete.
2. The CSF, dated 08/25/2014, for alternate #29 formulation and the CSF, dated 10/20/2014 for alternate #30 formulation are revised.
3. The CSFs and the label have the same nominal concentration for the active ingredients (AIs).
4. All components meet the EPA Standard Certified Limits.

CONCLUSIONS:

The CSF, dated 08/25/2014, for alternate #29 formulation and the CSF, dated 10/20/2014 for alternate #30 formulation are acceptable. The proposed amendment is acceptable.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OCT 1 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Magan E. Pletka
Regulatory Consultant
Mason Chemical Company
721 W. Algonquin Rd.
Arlington Height, LI 60005

Subject: **Maquat 86-M**
EPA Registration Number 10324-85
Notification Application Dated September 12, 2014
EPA Received September 12, 2014

Dear Ms. Pletka:

This letter acknowledges receipt of the notification identified above submitted under the provisions of section 3 (c) 9 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 98-10 and 40 CFR 152.46.

Proposed Notification:

- Revise marketing claims

General Comments:

Based on a review of the submitted information, this notification is acceptable. A copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact Drusilla Copeland at (703) 308-6224.

Sincerely,

Drusilla Copeland
Regulatory Management Branch I
Antimicrobials Division (7510P)



MASON CHEMICAL COMPANY
"The Quaternary Specialists"

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

EPA Reg. No. 10324-85
EPA Est. No.

MAQUAT® 86-M

Net Contents:

Batch No:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

(If container is 5 gallons or larger the following statement must appear on the label.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and freshwater aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

(If container is less than 5 gallons, the following statement must appear on the label.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and freshwater aquatic invertebrates.

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

NOTIFICATION
Date Reviewed: 10/1/14
Reviewed By: [Signature]

413180

843

(Gamma Irradiated)
(Ready-To-Use) (RTU) Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (non-food contact surfaces) Virucide*, Deodorizer for Hospitals, Nursing Homes, Home, Hotels & Motels, Institutional, Industrial, Schools, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Small Fly Ovicidal Treatment.

Athletic Surface Disinfectant.

Non-Acid Bathroom Cleaner.

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation.

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS:

Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%)

dimethyl benzyl ammonium chloride.....0.034%

Octyl Decyl Dimethyl Ammonium Chloride.....0.026%

Didecyl Dimethyl Ammonium Chloride.....0.013%

Dioctyl Dimethyl Ammonium Chloride.....0.013%

INERT INGREDIENTS:99.914%

TOTAL.....100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See (left) (back) (side) (right) panel (of label) (below) for additional precautionary statements (and) (first aid statements).

(See (additional) (sheet) (insert) for (other) (additional) (directions for use) (information) (claims) (organisms).)

(Note to Reviewer: The below statements are optional)

(CUIDADO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

CAUTION: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.)

(Note to reviewer: The Table of Contents will not be on any label. This is for our customer's reference only. The page numbers will change as the label changes.)

Table of Contents

Description	Page No.
Organism Guide	2
Marketing Claims	2
Use Directions	
General Disinfection	8
Hospital Disinfection	8
Food Processing	9
Animal Premises	10
Barber/Salon	13
Restroom/Bathroom	14
Household	15
Fungicidal/ Mold & Mildew	15
Deodorization/ Cleaning	15
Water/Smoke Damage Restoration	16
Other	17
Storage and Disposal	18

ORGANISM LIST

(Note to reviewer: Brackets [] indicate that one option within the brackets MUST be used in the final label text. Each option within the brackets is enclosed in a set of parenthesis (). All parenthesis indicate optional language.)

DISINFECTION PERFORMANCE (In Institutions, Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions and facilities, Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product kills the following bacterial in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli O157:H7
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila (ATCC 33153)
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)
Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei

Staphylococcus aureus (ATCC 6538)
Staphylococcus aureus (CA MRSA) (Community Acquired Methicillin Resistant)
Staphylococcus aureus (Methicillin resistant) (MRSA) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

VIROCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Avian Influenza A/Turkey/Wisconsin Virus (VR-798)
 Avian Influenza A Virus (H5N1)
 Hantavirus
 Herpes Simplex Type 1 Virus (VR-260)
 Herpes Simplex Type 2 Virus (VR-734)
 HIV-1** (AIDS virus)
 Hepatitis C Virus
 Hepatitis B Virus
 Human Coronavirus
 Influenza A/Brazil Virus
 Influenza A (H1N1) Virus
 Respiratory Syncytial Virus
 Vaccinia Virus

** Indicates a 2-minute contact time is required for this claim.

ANIMAL VIROCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Avian Influenza A/Turkey/Wisconsin Virus (VR-798)
 Avian Influenza A Virus (H5N1)
 Canine Coronavirus
 Canine Distemper virus
 Infectious Bovine Rhinotracheitis Virus (IBR) (VR-188)
 Newcastle Disease Virus (VR-109)
 Porcine Respiratory & Reproductive Virus (PRRSV)
 Porcine Rotavirus
 Pseudorabies Virus (VR-135)
 Transmissible Gastroenteritis (TGE) Virus

NON-FOOD CONTACT SANITIZING PERFORMANCE: When used on hard, non-porous surfaces this product kills 99.9% of the following organisms in 3 minutes:

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Candida albicans
 Trichophyton mentagrophytes

MILDEWSTATIC PERFORMANCE: This product [(controls)(prevents)(inhibits)] the following fungi in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Aspergillus niger

MARKETING CLAIMS

(Note to Reviewer: Marketing text is considered optional. Commas and the words "and" "or" can be added to phrases to make text grammatically correct

(Note to Reviewer: The locations/surfaces have been grouped for space purposes only; they can be used individually or grouped together in any order. In the case where one or more location/surface is chosen, an "and" "&" "or" may be used to link locations/surfaces.)

This formulation (Maquat® 86-M) is for use on hard, non-porous surfaces in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, and medical research facilities. (For Use In) Clean Rooms and Controlled Areas
- Patient care rooms & facilities, recovery rooms, Emergency Rooms, X-ray cat labs, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgical centers, out-patient surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- EMS & fire facilities, emergency vehicles, ambulance(s), ambulance equipment/surfaces, police cars, fire trucks.
- Day care centers and nurseries, sick rooms, elder care centers, kindergartens, and preschools.
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Life care retirement communities, elder care facilities.
- Restaurants, restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes and funeral homes, morgues, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, prisons, jails, municipal government buildings, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals, maintenance vehicles.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, shower stalls, bathrooms, shower and bath areas.
- Hotel, motels, dormitories.
- Kitchens, bathrooms and other household areas.
- Homes (households), condos, apartments, vacation cottages, summer homes.
- Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, fieldhouses.

- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities, warehouses.
- Health clubs, spas, tanning salons, tanning spas/beds, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, tattoo parlors. (Not for use on needles or other skin piercing instruments.)
- Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses, bowling alleys.
- Recycling centers.
- Humidifier water tanks. (Not for use in CA.)
- Campgrounds, playgrounds, recreational facilities, picnic facilities, sports arenas, sports complexes.
- Food processing plants, USDA inspected food-processing facilities, farms, dairy farms, hog farms, equine farms, poultry and turkey farms and egg processing plants, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms, rendering plants, canneries, caterers, bakeries, meat packing plants, hide and leather processing plants.
- Processing facilities for Fish, Milk, Citrus, Wine, Fruit, Vegetable, Ice Cream, and Potatoes and beverage plants.
- Tobacco plant premise and equipment.
- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, animal breeding facilities, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, equine farms, pet shops, tack shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities.
- Farmhouses, barns, sheds, tool sheds, barns, cattle barns, swine barns, sheep barns, horse barns, brooder houses, seed houses.
- Household and automotive garages, boats, ships, barges, watercraft, campers, RV's, trailers, mobile homes, cars, automobiles, trucks, delivery trucks, boxcars, tankers, tank trucks, buses, trains, taxis, helicopters and airplanes.
- Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.
- Commercial florist and flower shops.
- Basements, cellars, bedrooms, attics, living rooms, and porches.

(This product) (Maquat® 86-M) (when used as directed) (can be used) (is formulated to disinfect) on (washable) hard, non-porous surfaces such as:

- Food preparation and storage areas.
- Kitchen equipment such as trash compactors.
- Countertops (counters), countertop laminates, stovetops (stoves), (bathroom, kitchen) sinks, tub surfaces, non-food contact surfaces of Slurppy® machines, and exterior surfaces of appliances, refrigerators, microwave ovens and ice machines, shelves, racks and carts.
- Hospital beds, bed railings, bedpans, gurneys, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, hard nonporous surfaces of cervical collars and neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, slit lamps, operating room lights, operating tables,

oxygen h₂, dental chairs/ countertops, examination tables, X-ray tables, washing areas, anesthesia, carts, footbath surfaces.

- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/incubators/care equipment, folding tables, hampers, laundry pails.
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures.
- Glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed ceramic, sealed granite, sealed marble, plastic (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, Plexiglass®, vanity tops.
- Tables, chairs, desks, folding tables, workstations, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, trash barrels, trash cans, trash containers, cuspidors and spittoons.
- Enameled surfaces, painted (finished) woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper.
- Sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning, refrigeration equipment and heat pumps.
- Large, inflatable, non-porous plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment.
- Hard, non-porous surfaces of picnic tables and outdoor furniture or Non-wooden Picnic tables and outdoor furniture except cushions and wood frames. (Note: Only one statement will be used on label.)
- Tattoo equipment. (Not for use on needles or other skin piercing instruments.)
- Playground equipment.
- Automobile interiors.
- Maintenance equipment.
- Telephones and telephone booths.
- External Lenses Vision correction including eyeglasses, protective eyewear, goggles, light lens covers, optical instruments/ implements. (Not for use on contact lenses.)
- Hair clippers, cutting implements, plastic rollers, washable nail files.
- Hard hats, headphones.
- Kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, veterinary x-ray tables.
- Hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chick boxes, egg cases, vans and trash containers, seed houses.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables, exercise equipment.
- Crypton barrier fabric.
- Drinking fountains.
- Windows and mirrors.



This product contains no phosphorous.

This (container) (bottle) is made of (x)% post-consumer recycled plastic.

Convenient Trigger Spray.

Easy to Use.

Economy size.

Contains no (abrasives) (bleach) (harsh acids) (phosphates) (so it won't scratch surfaces).

Cleans without bleaching.

Fewer products – no need for separate deodorizer.

For disinfecting floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, garbage pails and other hard, non-porous surfaces in hospitals, dental offices, nursing homes and other health care institutions.

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product is an economical (ready-to-use) solution that can be used with trigger sprayers or sponges.

This product can be applied through foaming apparatus, low-pressure sprayers, and wet misting systems. Follow manufacturers' instructions when using this equipment.

Use this product on the multi-touch hard, non-porous surfaces responsible for cross-contamination.

This product is for use as a disinfectant on hard, non-porous surfaces. A potable water rinse is required after application on food contact surfaces.

This is a proven one-step disinfectant, cleaner, sanitizer, fungicide, mildewstat, and virucide*.

Kills (99.9% of) (any disinfection organism listed) (above) (below) (on hard, non-porous surfaces).

Kills (99.9% of) (common) (household) (institutional) (kitchen) germs (on (the) floor(s)).

Kills (99.9% of) (household) (institutional) (kitchen) bacteria –and/or– germs ((that get tracked into your –or– home) (by shoes –and/or– pets –and/or– kids) (from outside) (every day).

Kills (99.9% of) (kitchen) (bathroom) (household) (institutional) bacteria (on (the) floor, (ordinary dish soap can't).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) (common) (list use site/surface) (bacteria –and/or– viruses*) –or– germs.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) ((bacteria –and/or– viruses*) (and other germs)) –or– germs ((commonly) found in –or– on (the) (list use site/surface).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) ((bacteria –and/or– viruses*) (and other germs)) –or– germs ((commonly) found on (the) (list use site/surface) surfaces your kids –and/or– pets (may) touch every day.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (common) (household) ((bacteria –and/or– viruses*) (and other germs)) –or– germs (on) (from) (your) (children's) toys.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (list disinfectant organism) ((commonly) found –in/or– on (the) (list use site/surface)).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) flu (influenza) virus ((commonly) found –in/or– on (the) (list use site/surface)).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (the) (list use site/surface) (from) (99.9% of) (common) (household) ((bacteria –and/or– viruses*) (and other germs)) –or– germs (this season –or– flu season).

Kills bacteria on (the) surfaces (your kids –and/or– pets touch every day).

(Kills) (Eliminate(s)) (Remove(s)) (Get(s) rid of) (99.9% of) (the) germs –and/or– bacteria –and/or– viruses* (in your home –and/or– (office –or– work (place) (area) (environment)) (school) (classroom) (kitchen)).

This product meets AOAC efficacy standards for hard non-porous surface, non-food contact sanitizers.

This product is an effective one-step (ready-to-use) sanitizer-cleaner for use on hard, non-porous non-food contact surfaces.

One-step cleaner.

Cleans and shines.

Antibacterial.

This product delivers non-acid disinfection performance in an economical ready to use solution.

Cross-contamination is of major housekeeping concern, not only in hospitals, but also in schools, institutions and industry.

This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

Effective sanitizer in the presence of 5% serum contamination. (This product is an effective disinfectant/sanitizer in the presence of 5% serum contamination.)

Effective sanitizer in the presence of soils. (This product is an effective sanitizer in the presence of soils.)

This product is for use in kitchens, bathrooms, and other household areas.

This product is a multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.

This product can be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes. Will not harm most surfaces.

Will not harm most surfaces. For a cleaner, fresher household. Removes stains. Removes dirt. Non-staining. Clear formula.

Disinfects (and Sanitizes) kitchen surfaces (bathroom surfaces and floors). Sanitizes non-food contact kitchen surfaces (bathroom surfaces and floors). Kills germs. Kills household bacteria. A potable water rinse is required after application on food contact surfaces.

Kills common kitchen (bathroom) bacteria (and viruses*).

This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

This product (formulation) is a one-step (ready to use) (hospital use) disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will inhibit the growth of mold and mildew and their odors when used as directed.

For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

Will not cause swelling of transducer membrane or harm compressor plates.

Kill Avian Influenza A Virus (H5N1) on pre-cleaned hard, non-porous surfaces.

This product is a one-step disinfectant that is effective against a broad-spectrum of bacteria, is virucidal* (including HIV-1**, HCV & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A Virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A Virus tested and listed on the label) and is expected to inactivate all Influenza A Viruses including Pandemic 2009 H1N1 (formerly called swine flu).

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

This product has demonstrated effectiveness against (influenza A virus tested and listed on the label) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

Kills Pandemic 2009 H1N1 influenza A virus.

Hospital use Disinfectant.

Institutional Disinfectant.

Non-Food Contact Sanitizer.

Efficacy tests have demonstrated that this product is an effective bactericide, virucide* and fungicide in the presence of organic soil (5% blood serum).

This product meets AOAC Use – Dilution Test Standards for hospital disinfectants.

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing (Duck) Hepatitis B Virus.

This product has passed the Virucidal* Effectiveness Test using Bovine Viral Diarrhea Virus (BVDV) (Surrogate for Human Hepatitis C Virus).

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing Human (and Canine) Coronavirus.

This product is a disinfectant and non-food contact surface sanitizer for Cleanroom, and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, Incubators, Refrigerators and Centrifuge surfaces of metal, stainless steel, glass, plastic (such as polystyrene or polypropylene), Formica®, and vinyl.

This product is a one-step (ready-to-use) (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, body oils, dead skin, blood and other organic matter commonly found in hospitals (and) (in health care facilities) (on medical surfaces), nursing homes, schools and colleges, (day care centers), (medical) offices, funeral homes, veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, foodservice establishments (restaurants) and federally inspected meat and poultry establishments (food [processing] plants). It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes (hard, non-porous hospital (medical) surfaces) in a one-step ready-to-use formula (with no rinsing required). Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, toilet bowls, urinals, sinks found in (health care facilities [hospitals]), patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. It can also be used to pre-clean and disinfect (hospital items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces, food establishments, (restaurants), (commercial kitchens) & restrooms) any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes, utensils, or interior surfaces of appliances.

This product when used as directed is formulated to sanitizedisinfekt hard, non-porous surfaces such as screens for electronic devices, including smart phones, tablets and computer screens.

Electronic Screen Sanitizer

Cleans (+) (and) Sanitizes (electronic devices)

Alcohol and ammonia free

Streak-free finish

Use this product to clean, sanitize and disinfectant non-porous ambulance equipment and surfaces by rinsing all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the ambulance equipment and surfaces that would necessitate replacement.)

This product maximizes (improves) labor results by effectively controlling odors.

When used as directed, this product will deodorize surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.

This product neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.

This product is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

This product is effective against household bacteria

This product is effective against odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. (Not for use in CA.)

This product is for use in household and commercial humidifiers. Use of this product will control unpleasant (malodors) odors. (Not for use in CA.)

Humidifier Bacteria-Algae treatment is a bacteriostat which can control the build-up of bacteria and algae in water tanks of portable, (evaporative) humidifiers. (Not for use in CA.)

This product is a one-step cleaner and deodorant (odor counteractant) (odor-neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and) controlling mold and mildew on hard, non-porous surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor causing microorganisms. Its non-abrasive formula is designed for use on (restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms, and locker rooms.

This product is effective at controlling mold and mildew on shower curtains.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

This product cleans, shines, deodorizes and disinfects all hard non-porous (household) surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

This product is for non-scratch cleaning of showers and tubs, shower doors and shower curtains, fixtures and toilet bowls.

This product will not leave a grit or soap scum.

This product is a no-rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

Kills Trichophyton mentagrophytes (the agent that causes Athlete's Foot fungus) on bathroom surfaces.

Kills Athlete's Foot fungus on bathroom surfaces.

This product is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

This product is a (ready-to-use) non-acid (bowl and) bathroom cleaner, which cleans, disinfects and deodorizes in one easy step. It cleans, disinfects and deodorizes surfaces by killing many odor-causing microorganisms. Its non-abrasive formula is designed for use (Use daily) on hard, non-porous restroom surfaces: glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Velma Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat® 86-M	PM# 31	
5. Name And Address Of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

<input type="checkbox"/> Amendment – Explain below.	<input type="checkbox"/> Final Printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification – Explain below.	<input type="checkbox"/> Other – Explain Below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to revise marketing statements.

Please send all correspondence to: **Megan Pletka**

OR

Lisa Amadio**Technology Sciences Group, Inc.****Mason Chemical Company****1150 18th St, NW Suite 1000****721 W. Algonquin Rd.****Washington, DC 20036****Arlington Hts, IL 60005**

Section III

1. Material This Product Will Be Packaged In:

Child Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per Container	If "Yes" Unit Packaging wgt. No. per Container

3. Location of Net Contents Information

☐ Label ☐ Container

4. Size(S) Retail Container

5. Location of Label Directions

☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product

☐ Lithographed
☐ Paper glued
☐ Stenciled☐ Other _____

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Megan E. Pletka, Technology Sciences Group Inc.	Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8954
--	---------------------------------------	--

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received
(Stamped)

2. Signature

Megan E. Pletka

3. Title

Regulatory Consultant

4. Typed Name

Megan E. Pletka

5. Date

September 12, 2014

Material Sent for Data Extraction

Reg # 10324-85

Description: _____

☒ Material(s) Sent to Data Extraction Contractors

☒ New Stamped Label Dated _____

☐ Notification Dated _____

☐ New CSF(s) Dated _____

☐ Other: _____

☒ Decision #: 491734

☐ Other Action/Comments: _____

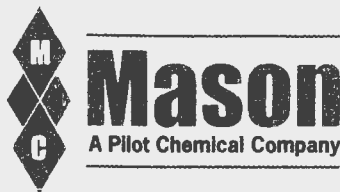
Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer: E. Oiguenbl. h

Phone: 347-0199 Division: AD

Date: _____

Created February 3, 2011



"The Quaternary Specialists"

August 25, 2014

Document Processing Desk (AMEND)
Attn: Velma Noble, PM 31
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard, Rm. S4900
2777 S. Crystal Drive
Arlington, VA 22202

COURIER

Dear Velma:

Subject: CSF Amendment for Maquat® 86-M
EPA Reg. No. 10324-85

Mason Chemical Company is submitting a CSF amendment for Maquat® 86-M, EPA Reg. No. 10324-85. The purpose of this CSF amendment is to make minor mathematical corrections to Alternate 29 and 30 as they do not add up to 100%. We discovered when reviewing the application that these alternate CSFs were not correct, so we are making adjustments to ensure that they are accurate going forward.

The following materials are enclosed to support the label amendment:

- An Application Form (EPA Form 8570-1).
- Two (2) signed copies of each Confidential Statement of Formula (EPA Form 8570-4)

If you have any questions regarding this application, please contact me at 224.404.2038 or kalyddon@pilotchemical.com.

Best regards,



Krest A. Lyddon
Senior Registration Specialist

Enclosures

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Velma Noble	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat® 86-M	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Road Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3 (c) (3) (b) (i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input checked="" type="checkbox"/> Other - Explain below.
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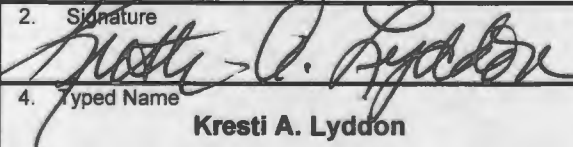
Explanation: Use additional Page(s) if necessary. (For section I and Section II)

Correction to CSFs: Alternates 29 and 30, minor mathematical corrections to make components add up to 100%.

Contact: Krestia. Lyddon, kalyddon@pilotchemical.com Phone: 224-404-2038.**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" No. Per Unit Package wgt. Container	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 qt., 1, 5 and 55 gallons Totes, Bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other <u>Plastic Sleeve/Silk Screened</u>			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)					
Name Krestia. Lyddon		Title Senior Registration Specialist		Telephone No. (Include Area Code) 224.404.2038	
Certification I certify that the statements which I have made on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Senior Registration Specialist			
4. Typed Name Krestia A. Lyddon		5. Date 8-25-14			



"The Quaternary Specialists"

August 25, 2014

Document Processing Desk (AMEND)
Attn: Velma Noble, PM 31
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard, Rm. S4900
2777 S. Crystal Drive
Arlington, VA 22202

COURIER

Dear Velma:

Subject: CSF Amendment for Maquat® 86-M
EPA Reg. No. 10324-85

Mason Chemical Company is submitting a CSF amendment for Maquat® 86-M, EPA Reg. No. 10324-85. The purpose of this CSF amendment is to make minor mathematical corrections to Alternate 29 and 30 as they do not add up to 100%. We discovered when reviewing the application that these alternate CSFs were not correct, so we are making adjustments to ensure that they are accurate going forward.

The following materials are enclosed to support the label amendment:

- An Application Form (EPA Form 8570-1).
- Two (2) signed copies of each Confidential Statement of Formula (EPA Form 8570-4)

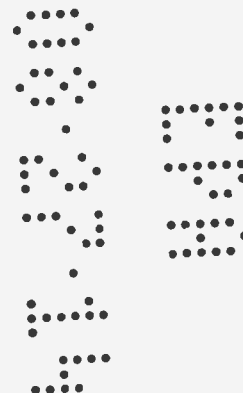
If you have any questions regarding this application, please contact me at 224.404.2038 or kalyddon@pilotchemical.com.

Best regards,



Krest A. Lyddon
Senior Registration Specialist

Enclosures





United States
Environmental Protection Agency
 Washington, DC 20460

☐ **Registration**
☐ **Amendment**
☒ **Other**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Velma Noble	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat® 86-M	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Road Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3 (c) (3) (b) (i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional Page(s) if necessary. (For section I and Section II)

Correction to CSFs: Alternates 29 and 30, minor mathematical corrections to make components add up to 100%.

Contact: Kresti a. Lyddon, kalyddon@pilotchemical.com Phone: 224-404-2038.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Package wgt. No. Per Container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
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* **Certification must be submitted**

3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 1 qt., 1, 5 and 55 gallons Totes, Bulk	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Other Plastic Sleeve/Silk Screened		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application)		
Name Kresti A. Lyddon	Title Senior Registration Specialist	Telephone No. (Include Area Code) 224.404.2038
Certification I certify that the statements which I have made on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Registration Specialist	
4. Typed Name Kresti A. Lyddon	5. Date 8-25-14	

Material Sent for Data Extraction

Reg # 10324-85

Description: _____

☐ Material(s) Sent to Data Extraction Contractors

☐ New Stamped Label Dated _____

☒ Notification Dated _____

☐ New CSF(s) Dated _____

☐ Other: _____

☐ Decision #: _____

☐ Other Action/Comments: _____

Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer: D. Copeland

Phone: _____ Division: AD

Date: _____

Created February 3, 2011

RISK ASSIGNMENT FORM
Antimicrobial Division/Regulatory Management Branch I

OK

A	Completed by Product Manager						
PRODUCT REVIEWER: <i>zm.lw</i>					RMBI <u>TEAM 31</u>		
Type of Action: <i>Label Amendment</i>					EPA File Symbol/Reg No. <i>10324-85</i>		
Decision No.		Submission No.		Fee for Service Action Code:			
FQPA Action Code: <i>308</i>		Non-FQPA Action Code:		PRIA FEE AMOUNT:			
DATE		DAY		YEAR			
APPLICATION DATE		<i>5</i>	<i>27</i>	2014			
EPA PIN DATE		<i>5</i>	<i>27</i>	2014			
DATE PM RECEIVED FROM FRONT END		<i>Aug. 25</i>		2014			
DATE SENT TO SCIENCE							
DATE RECEIVED FROM SCIENCE							
DATE DUE TO PM							
Type of Data:	PSB Product Chemistry	PSB Acute Toxicology	PSB Efficacy	RASSB Environmental Fate	RASSB Ecological Effects	RASSB Chronic Toxicology	RASSB Exposure/Residue
ATTACHMENTS: LABELING 6-CPFS 6-B.F.A. 6-OTHERS							
B	For Arctic Slope Contract Only						
	Contract No.: 0052		ARCTIC SLOPE/MANAGER				
	Final Task: Signature _____ (Total hrs) _____						
C	Reviewer Comments:						
DATE FEE PAID:				RESPONSE CODE:		RESPONSE DATE:	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Megan Pletka
Technology Science Group, Inc.
1150 18th Street, Suite 1000
Washington DC 20036

AUG 20 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

SUBJECT: Maquat® 86-M
EPA Registration Number: 10324-85
Application Date: May 27, 2014
Receipt Date: May 27, 2014

Dear Ms. Pletka:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

- To update the label language

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0199 or Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)



MASON CHEMICAL COMPANY
"The Quaternary Specialists"

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

EPA Reg. No. 10324-85

EPA Est. No.

MAQUAT® 86-M

Net Contents:

Batch No:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

(If container is 5 gallons or larger the following statement must appear on the label.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and freshwater aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

(If container is less than 5 gallons, the following statement must appear on the label.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and freshwater aquatic invertebrates.

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

(Gamma Irradiated)

(Ready-To-Use) (RTU) Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (non-food contact surfaces) Virucide*, Deodorizer for Hospitals, Nursing Homes, Home, Hotels & Motels, Institutional, Industrial, Schools, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Small Fly Ovicidal Treatment.

Athletic Surface Disinfectant.

Non-Acid Bathroom Cleaner.

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation.

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS:

Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%)	
dimethyl benzyl ammonium chloride	0.034%
Octyl Decyl Dimethyl Ammonium Chloride	0.026%
Didecyl Dimethyl Ammonium Chloride	0.013%
Diocetyl Dimethyl Ammonium Chloride	0.013%

INERT INGREDIENTS:.....99.914%

TOTAL100.000%

ACCEPTED

08/20/2014

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 10324-85

KEEP OUT OF REACH OF CHILDREN

CAUTION

See (left) (back) (side) (right) panel (of label) (below) for additional
precautionary statements (and) (first aid statements).

(See (additional) (sheet) (insert) for (other) (additional) (directions for use) (information) (claims) (organisms).)

(Note to Reviewer: The below statements are optional)

(CUIDADO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.)

CAUTION: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.)

(Note to reviewer: The Table of Contents will not be on any label. This is for our customer's reference only. The page numbers will change as the label changes.)

Table of Contents

Description	Page No.
Organism Guide	2
Marketing Claims	2
Use Directions	
General Disinfection	8
Hospital Disinfection	8
Food Processing	9
Animal Premises	10
Barber/Salon	13
Restroom/Bathroom	14
Household	15
Fungicidal/ Mold & Mildew	15
Deodorization/ Cleaning	15
Water/Smoke Damage Restoration	16
Other	17
Storage and Disposal	18

(Note to reviewer: Brackets [] indicate that one option within the brackets MUST be used in the final label text. Each option within the brackets is enclosed in a set of parenthesis (). All parenthesis indicate optional language.)

DISINFECTION PERFORMANCE (in Institutions, Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions and facilities, Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product kills the following bacterial in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli O157:H7
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila (ATCC 33153)
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)
Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei

Staphylococcus aureus (ATCC 6538)
Staphylococcus aureus (CA MRSA) (Community Acquired Methicillin Resistant)
Staphylococcus aureus (Methicillin resistant) (MRSA) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Avian Influenza A/Turkey/Wisconsin Virus (VR-798)
Avian Influenza A Virus (H5N1)
Hantavirus
Herpes Simplex Type 1 Virus (VR-260)
Herpes Simplex Type 2 Virus (VR-734)
HIV-1** (AIDS virus)
Hepatitis C Virus
Hepatitis B Virus
Human Coronavirus
Influenza A/Brazil Virus
Influenza A (H1N1) Virus
Respiratory Syncytial Virus
Vaccinia Virus

** Indicates a 2-minute contact time is required for this claim.

ANIMAL VIRUCIDAL* PERFORMANCE: This product kills the following viruses in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Avian Influenza A/Turkey/Wisconsin Virus (VR-798)
Avian Influenza A Virus (H5N1)
Canine Coronavirus
Canine Distemper virus
Infectious Bovine Rhinotracheitis Virus (IBR) (VR-188)
Newcastle Disease Virus (VR-109)
Porcine Respiratory & Reproductive Virus (PRRSV)
Porcine Rotavirus
Pseudorabies Virus (VR-135)
Transmissible Gastroenteritis (TGE) Virus

NON-FOOD CONTACT SANITIZING PERFORMANCE: When used on hard, non-porous surfaces this product kills 99.9% of the following organisms in 3 minutes:

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Candida albicans
Trichophyton mentagrophytes

MILDEWSTATIC PERFORMANCE: This product [(controls)(prevents)(inhibits)] the following fungi in 10 minutes in the presence of 5% soil on hard, non-porous surfaces:

Aspergillus niger

MARKETING CLAIMS

(Note to Reviewer: Marketing text is considered optional. Commas and the words "and" or "or" can be added to phrases to make text grammatically correct

(Note to Reviewer: The locations/surfaces have been grouped for space purposes only; they can be used individually or grouped together in any order. In the case where one or more location/surface is chosen, an "and" "&" "or" may be used to link locations/surfaces.)

This formulation (Maquat® 86-M) is for use on hard, non-porous surfaces in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms/theaters, radiology rooms, isolation wards, quarantine areas, hospices, and medical research facilities. (For Use In) Clean Rooms and Controlled Areas
- Patient care rooms & facilities, recovery rooms, Emergency Rooms, X-ray cat labs, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, surgical centers, out-patient surgical centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- EMS & fire facilities, emergency vehicles, ambulance(s), ambulance equipment/ surfaces, police cars, fire trucks.
- Day care centers and nurseries, sick rooms, elder care centers, kindergartens, and preschools.
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Life care retirement communities, elder care facilities.
- Restaurants, restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes and funeral homes, morgues, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, prisons, jails, municipal government buildings, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals, maintenance vehicles.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, shower stalls, bathrooms, shower and bath areas.
- Hotel, motels, dormitories.
- Kitchens, bathrooms and other household areas.
- Homes (households), condos, apartments, vacation cottages, summer homes.
- Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, fieldhouses.

- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities, warehouses.
- Health clubs, spas, tanning salons, tanning spas/beds, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, tattoo parlors. (Not for use on needles or other skin piercing instruments.)
- Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses, bowling alleys.
- Recycling centers.
- Humidifier water tanks. (Not for use in CA.)
- Campgrounds, playgrounds, recreational facilities, picnic facilities, sports arenas, sports complexes.
- Food processing plants, USDA inspected food-processing facilities, farms, dairy farms, hog farms, equine farms, poultry and turkey farms and egg processing plants, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms, rendering plants, canneries, caterers, bakeries, meat packing plants, hide and leather processing plants.
- Processing facilities for Fish, Milk, Citrus, Wine, Fruit, Vegetable, Ice Cream, and Potatoes and beverage plants.
- Tobacco plant premise and equipment.
- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, animal breeding facilities, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, equine farms, pet shops, tack shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities.
- Farmhouses, barns, sheds, tool sheds, barns, cattle barns, swine barns, sheep barns, horse barns, brooder houses, seed houses.
- Household and automotive garages, boats, ships, barges, watercraft, campers, RV's, trailers, mobile homes, cars, automobiles, trucks, delivery trucks, boxcars, tankers, tank trucks, buses, trains, taxis, helicopters and airplanes.
- Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.
- Commercial florist and flower shops.
- Basements, cellars, bedrooms, attics, living rooms, and porches.

(This product) (Maquat® 86-M) (when used as directed) (can be used) (is formulated to disinfect) on (washable) hard, non-porous surfaces such as:

- Food preparation and storage areas.
- Kitchen equipment such as trash compactors.
- Countertops (counters), countertop laminates, stovetops (stoves), (bathroom, kitchen) sinks, tub surfaces, non-food contact surfaces of Slurpy® machines, and exterior surfaces of appliances, refrigerators, microwave ovens and ice machines, shelves, racks and carts.
- Hospital beds, bed railings, bedpans, gurneys, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, hard nonporous surfaces of cervical collars and neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, slit lamps, operating room lights, operating tables,

oxygen hoods, dental chairs/ countertops, examination tables, X-ray tables, washing areas, anesthesia, carts, footbath surfaces.

- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/incubators/care equipment, folding tables, hampers, laundry pails.
- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures.
- Glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed ceramic, sealed granite, sealed marble, plastic (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, Plexiglass®, vanity tops.
- Tables, chairs, desks, folding tables, workstations, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans/pails, trash barrels, trash cans, trash containers, cuspidors and spittoons.
- Enameled surfaces, painted (finished) woodwork, Formica®, vinyl and plastic upholstery, washable wallpaper.
- Sealed foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning, refrigeration equipment and heat pumps.
- Large, inflatable, non-porous plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment.
- Hard, non-porous surfaces of picnic tables and outdoor furniture or Non-wooden Picnic tables and outdoor furniture except cushions and wood frames. (*Note: Only one statement will be used on label.*)
- Tattoo equipment. (Not for use on needles or other skin piercing instruments.)
- Playground equipment.
- Automobile interiors.
- Maintenance equipment.
- Telephones and telephone booths.
- External Lenses Vision correction including eyeglasses, protective eyewear, goggles, light lens covers, optical instruments/ implements. (Not for use on contact lenses.)
- Hair clippers, cutting implements, plastic rollers, washable nail files.
- Hard hats, headphones.
- Kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, veterinary x-ray tables.
- Hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chick boxes, egg cases, vans and trash containers, seed houses.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables, exercise equipment.
- Crypton barrier fabric.
- Drinking fountains.
- Windows and mirrors.

This product contains no phosphorous.

This (container) (bottle) is made of (x)% post-consumer recycled plastic.

Convenient Trigger Spray.

Easy to Use.

Economy size.

Contains no (abrasives) (bleach) (harsh acids) (phosphates) (so it won't scratch surfaces).

Cleans without bleaching.

Fewer products – no need for separate deodorizer.

For disinfecting floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, garbage pails and other hard, non-porous surfaces in hospitals, dental offices, nursing homes and other health care institutions.

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product is an economical (ready-to-use) solution that can be used with trigger sprayers or sponges.

This product can be applied through foaming apparatus, low-pressure sprayers, and wet misting systems. Follow manufacturers' instructions when using this equipment.

Use this product on the multi-touch hard, non-porous surfaces responsible for cross-contamination.

This product is for use as a disinfectant on hard, non-porous surfaces. A potable water rinse is required after application on food contact surfaces.

This is a proven one-step disinfectant, cleaner, sanitizer, fungicide, mildewstat, and virucide*.

Kills (99.9% of) (any disinfection organism listed) (above) (below) (on hard, non-porous surfaces).

Kills (99.9% of) (common) (household) (institutional) (kitchen) germs (on (the) floor(s)).

Kills (99.9% of) (household) (institutional) (kitchen) bacteria –and/or– germs ((that get tracked into your –or– home) (by shoes –and/or– pets –and/or– kids) (from outside) (every day).

Kills (99.9% of) (kitchen) (bathroom) (household) (institutional) bacteria (on (the) floor(s)) (ordinary dish soap can't).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) (common) (list use site/surface) (bacteria –and/or– viruses*) –or– germs.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) ((bacteria –and/or– viruses*) (and other germs)) –or– germs ((commonly) found in –or– on (the) (list use site/surface).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) ((bacteria –and/or– viruses*) (and other germs)) –or– germs ((commonly) found on (the) (list use site/surface) surfaces your kids –and/or– pets (may) touch every day.

Federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging material must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

Escherichia coli (*E. coli*), *Salmonella enterica* (*Salmonella*), and *Staphylococcus aureus* (*Staph*) are common bacteria found where food is prepared and stored. This product kills these bacteria and helps prevent cross-contamination on treated non-food contact kitchen surfaces listed on this label. A potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

This product cleans by removing dirt, grime and food soils in food preparation and processing areas. Its non-abrasive formula will not harm (scratch) surfaces. It cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

This product is effective against the control of small flies on non-food contact surfaces such as floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.

Use this product on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, glazed tiles, toilet, countertops, stove tops, exterior surfaces of appliances and refrigerators, cabinets, garbage cans, outdoor furniture (except cushions and wood frames), desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

Disinfects, cleans, and deodorizes the following hard, non-porous surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.).

Its non-abrasive formula is designed for use on (Use daily on) (hard, non-porous surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, brass, copper, laminated surfaces and baked enamel surfaces (associated with floors, walls, ceiling, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms, shower rooms and locker rooms (areas) – any washable (food and non-food contact) surface where disinfection is required. This product's non-dulling formula eliminates the time and labor normally required for rinsing floors. A potable water rinse is required for food contact surfaces. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances.

- Neutral (Neutral pH).
- Disinfects (Disinfectant).
- Cleans (Cleaner).
- Deodorizes (Deodorizer).

For use in households.

Will not harm sealed stone, sealed grout, or glazed tile.

This product is a complete, chemically balanced disinfectant (sanitizer) that provides a clear solution even in the presence of hard water.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

GENERAL DISINFECTION

DISINFECTION/FUNGICIDAL/VIRUCIDAL* DIRECTIONS: Pre-clean heavily soiled areas. Apply this (undiluted) (ready-to-use) (full strength) product undiluted to walls, floors and other hard, non-porous surfaces such as Crypton barrier fabric, tables, chairs, countertops, sinks, glazed tile, and glazed porcelain with a brush, cloth, sponge or mechanical spray device so as to thoroughly wet surfaces. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes and then let air dry or wipe up excess liquid. Rinse food contact surfaces with potable water after use. Rinsing is not necessary unless floors are to be coated with finish or restorer. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

OR

Apply this product to hard, non-porous surfaces with a cloth or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes.

CLEANING AND DISINFECTION: Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or mechanical spray device so as to wet all surfaces thoroughly to be cleaned and disinfected. For sprayer applications, use a coarse pump or trigger spray device. Spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes and then air dry or wipe up excess liquid. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT:

1. Pre-clean heavily soiled areas.
2. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces using a sponge, brush, cloth or mechanical spray device.
3. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes.
4. Wipe surfaces (and let air dry).
5. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

HOSPITAL/INSTITUTIONAL DISINFECTION

(Note for reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used.)

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or, (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(OR)

Malodor(s) (Activity) (Odor) (Counteractancy) – eliminates (destroys) odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors). (Not for use in CA.)

This product is a versatile disinfectant/sanitizer for Veterinarian, Veterinary Practice, Animal Care, Animal Laboratory, and Agricultural and Farm Premise applications.

This product cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

This product can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and cage furniture (plastic terrarium ornaments, driftwood, heat caves and water dishes). Do not use on porous rocks, hot rocks and driftwood.

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing Canine Coronavirus.

This product cleans, disinfects and deodorizes (hard, non-porous surfaces) in one step. Its non-abrasive formula is designed for use on (Use daily on) (Use daily to clean and disinfect) (hard, non-porous surfaces): plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces (associated with floors, walls, countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

This product has been designed for veterinarians, animal groomers, hair stylists, barbers and beauticians, for use in disinfecting and maintaining clippers. It acts as a virucide* and bactericide while also cleaning. Regular use will help to maintain blades that operate with reduced friction and with smoother clipping action. Will help to prolong equipment life. This product is designed for use in pet salons, animal hospitals, barber and beauty shops. When used as directed it will disinfect metal clipper blades as well as many other hard, non-porous surfaces.

This product cleans rodent soiled areas.

This product is for use in Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is for use in Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

Kill (Avian) Influenza A Virus (H5N1) on pre-cleaned hard, non-porous surfaces.

This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.

When used as directed, this product will disinfect hard, non-porous surfaces, such as flower buckets, floors and walls of coolers, design and packing benches, and countertops.

This product can be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use this product to clean, disinfect and deodorize flower buckets, walls, floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

This product can be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause: (Not for use in CA.)

1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.

Use this product to disinfect and sanitize non-porous salon/barber tools and instruments such as combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and baths and manicure/pedicure instruments.

Use this product to disinfect non-porous salon/barber tools and instruments such as combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and manicure/pedicure instruments and footbath surfaces.

Use this product to clean, sanitize and disinfect hard non-porous surfaces of personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

Use to clean and disinfect non-medical (i.e. industrial and fire-fighting) respirators in industrial, commercial and institutional premises.

Use (on) (to clean and disinfect) non-porous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

Floor cleaner.

This product is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.

This product provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

Cleans everyday kitchen messes.

Cleans non-food contact kitchen surfaces and food preparation areas.

Cleans everyday kitchen messes like dirt, grease and food stains. Cuts through tough grease and grime.

For use in:

Federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

This product is a disinfectant and non-food contact surface sanitizer for Cleanroom, and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces of the following: countertops, sinks, plumbing fixture surfaces, Incubators, Refrigerators and Centrifuge surfaces of metal, stainless steel, glass, plastic (such as polystyrene or polypropylene), Formica®, and vinyl.

This product is a one-step (ready-to-use) (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, body oils, dead skin, blood and other organic matter commonly found in hospitals (and) (in health care facilities) (on medical surfaces), nursing homes, schools and colleges, (day care centers), (medical) offices, funeral homes, veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, foodservice establishments (restaurants) and federally inspected meat and poultry establishments (food [processing] plants). It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes (hard, non-porous hospital (medical) surfaces) in a one-step ready-to-use formula (with no rinsing required). Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, toilet bowls, urinals, sinks found in (health care facilities [hospitals]), patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. It can also be used to pre-clean and disinfect (hospital items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces, food establishments, (restaurants), (commercial kitchens) & restrooms) any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes, utensils, or interior surfaces of appliances.

This product when used as directed is formulated to disinfect hard, non-porous surfaces such as screens for electronic devices, including smart phones, tablets and computer screens.

Electronic Screen Sanitizer

Cleans (+) (and) Sanitizes (electronic devices)

Alcohol and ammonia free

Streak-free finish

Use this product to clean, sanitize and disinfectant non-porous ambulance equipment and surfaces by rinsing all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the ambulance equipment and surfaces that would necessitate replacement.)

This product maximizes (improves) labor results by effectively controlling odors.

When used as directed, this product will deodorize surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.

This product neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.

This product is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

This product is effective against household bacteria

This product is effective against odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. (Not for use in CA.)

This product is for use in household and commercial humidifiers. Use of this product will control unpleasant (malodors) odors. (Not for use in CA.)

Humidifier Bacteria-Algae treatment is a bacteriostat which can control the build-up of bacteria and algae in water tanks of portable, (evaporative) humidifiers. (Not for use in CA.)

This product is a one-step cleaner and deodorant (odor counteractant) (odor-neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew) on hard, non-porous surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor causing microorganisms. Its non-abrasive formula is designed for use on (restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms, and locker rooms.

This product is effective at controlling mold and mildew on shower curtains.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

This product cleans, shines, deodorizes and disinfects all hard non-porous (household) surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

This product is for non-scratch cleaning of showers and tubs, shower doors and shower curtains, fixtures and toilet bowls.

This product will not leave a grit or soap scum.

This product is a no-rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

Kills Trichophyton mentagrophytes (the agent that causes Athlete's Foot fungus) on bathroom surfaces.

Kills Athlete's Foot fungus on bathroom surfaces.

This product is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

This product is a (ready-to-use) non-acid (bowl and) bathroom cleaner, which cleans, disinfects and deodorizes in one easy step. It cleans, disinfects and deodorizes surfaces by killing many odor-causing microorganisms. Its non-abrasive formula is designed for use (Use daily) on hard, non-porous restroom surfaces: glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (common) (household) ((bacteria –and/or– viruses*)) (and other germs)) –or– germs (on) (from) (your) (children's) toys.

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (list disinfectant organism) ((commonly) found –in/or– on (the) (list use site/surface)).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (99.9% of) (the) flu (influenza) virus ((commonly) found –in/or– on (the) (list use site/surface)).

Kills –and/or– (helps(s)) eliminate(s) –and/or– disinfects –and/or– destroy(s) –and/or– remove(s) –and/or– (help(s)) get(s) rid of –and/or– reduces –and/or– fights –and/or– effective against (the) (list use site/surface) (from) (99.9% of) (common) (household) ((bacteria –and/or– viruses*)) (and other germs)) –or– germs (this season –or– flu season).

Kills bacteria on (the) surfaces (your kids –and/or– pets touch every day).

(Kills) (Eliminate(s)) (Remove(s)) (Get(s) rid of) (99.9% of) (the) germs –and/or– bacteria –and/or– viruses* (in your home –and/or– (office –or– work (place) (area) (environment)) (school) (classroom) (kitchen)).

This product meets AOAC efficacy standards for hard non-porous surface, non-food contact sanitizers.

This product is an effective one-step (ready-to-use) sanitizer-cleaner for use on hard, non-porous non-food contact surfaces.

One-step cleaner.

Cleans and shines.

Antibacterial.

This product delivers non-acid disinfection performance in an economical ready to use solution.

Cross-contamination is of major housekeeping concern, not only in hospitals, but also in schools, institutions and industry.

This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

Effective sanitizer in the presence of 5% serum contamination. (This product is an effective disinfectant/sanitizer in the presence of 5% serum contamination.)

Effective sanitizer in the presence of soils. (This product is an effective sanitizer in the presence of soils.)

This product is for use in kitchens, bathrooms, and other household areas.

This product is a multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.

This product can be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes. Will not harm most surfaces.

Will not harm most surfaces. For a cleaner, fresher household. Removes stains. Removes dirt. Non-staining. Clear formula.

Disinfects (and Sanitizes) kitchen surfaces (bathroom surfaces and floors). Sanitizes non-food contact kitchen surfaces (bathroom surfaces and floors). Kills germs. Kills household bacteria. A potable water rinse is required after application on food contact surfaces.

Kills common kitchen (bathroom) bacteria (and viruses*).

This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

This product (formulation) is a one-step (ready to use) (hospital use) disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will inhibit the growth of mold and mildew and their odors when used as directed.

For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

Will not cause swelling of transducer membrane or harm compressor plates.

Kill Avian Influenza A Virus (H5N1) on pre-cleaned hard, non-porous surfaces.

This product is a one-step disinfectant that is effective against a broad-spectrum of bacteria, is virucidal* (including HIV-1**, HCV & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A Virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A Virus tested and listed on the label) and is expected to inactivate all Influenza A Viruses including Pandemic 2009 H1N1 (formerly called swine flu).

This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

This product has demonstrated effectiveness against (influenza A virus tested and listed on the label) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

Kills Pandemic 2009 H1N1 influenza A virus.

Hospital use Disinfectant.

Institutional Disinfectant.

Non-Food Contact Sanitizer.

Efficacy tests have demonstrated that this product is an effective bactericide, virucide* and fungicide in the presence of organic soil (5% blood serum).

This product meets AOAC Use – Dilution Test Standards for hospital disinfectants.

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing (Duck) Hepatitis B Virus.

This product has passed the Virucidal* Effectiveness Test using Bovine Viral Diarrhea Virus (BVDV) (Surrogate for Human Hepatitis C Virus).

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing Human (and Canine) Coronavirus.

Not for use on medical devices or medical equipment surfaces. (*Alternate statement:* This product is not for use on Medical device surfaces.)

INSTITUTIONAL DISINFECTANT DIRECTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions): Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to disinfect hard, non-porous surfaces, thoroughly wetting surfaces with a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. **Note:** With spray applications cover or remove all food products.

VRUCIDAL* PERFORMANCE: Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to treated surfaces, thoroughly wetting surfaces with a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for ten minutes. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A (H5N1) VIRUS: For use in homes, hospitals, hotels, motels and schools, follow the disinfection directions. (*OR*) For use in animal housing facilities follow the animal premise directions.

HEPATITIS B VIRUS: With a 10 minute contact time this product was found to be effective against (*Duck*) Hepatitis B Virus.

HEPATITIS C VIRUS: With a 10 minute contact time, this product was found to be effective against Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

HIV (AIDS VIRUS): With a 2 minute contact time, this product was found to be effective against HIV-1 (AIDS virus).

***KILLS HIV, HCV AND HBV ON PRE-CLEANED HARD, NON-POROUS SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of hard, non-porous surfaces/objects with body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1** (HIV-1) (associated with AIDS), (*Duck*) Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV AND HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Clean-up must always be done wearing protective latex gloves, gowns, masks and eye protection. (*Alternate statement:* Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye protection.)

Cleaning Procedure: Blood and other body fluids (containing HIV-1, HBV & HCV) must be thoroughly cleaned from surfaces and objects before application of this product (the disinfectant).

Disposal of Infectious Materials: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: For HIV, let surface remain wet for 2 minutes with (undiluted) (ready-to-use) (full strength) solution. For HBV, HCV and all other organisms listed on label, a 10 minute contact time is required.

SURGICAL INSTRUMENT PRE-SOAK: Pour (undiluted) (ready-to-use) (full strength) solution into container. Place pre-cleaned instruments in solution to pre-soak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Plastic instruments can remain immersed until sterilization. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle until sterilization. Prolonged soaking will cause damage to metal instruments. Surgical instruments must be sterilized before use.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean equipment if heavily soiled to ensure proper surface contact. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134).

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES (IN INSTITUTIONAL FACILITIES)

TO SANITIZE (AND DEODORIZE): Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces, thoroughly wetting surfaces as required, with a brush, cloth, sponge or mechanical spray device or by immersion. Pre-clean heavily soiled areas. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Let stand for 3 minutes. Then wipe. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SANITIZATION OF HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for [(three) (3)] minutes. Remove excess solution from equipment prior to storage

FOOD PROCESSING PREMISES

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

OR

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected. A potable water rinse is required.

DIRECTIONS FOR FOOD PROCESSING PLANTS: For use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Follow Disinfection directions.

DIRECTIONS FOR FOOD STORAGE AREAS: For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

FOR USE AS A CLEANER/DISINFECTANT IN FOOD PROCESSING PLANTS:

1. Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
2. Apply (undiluted) (ready-to-use) (full strength) solution evenly over surface using a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Be sure to wet all surfaces thoroughly. Do not breathe spray.
3. Allow product to remain on surface for [(ten) (10)] minutes.
4. Wipe with clean cloth, sponge or paper towel.
5. For heavily soiled areas, thoroughly clean surface prior to disinfecting.
6. When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware and dishes or interior surfaces of processing equipment.
7. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO DISINFECT FOOD-PROCESSING (AND TOBACCO PREMISES): Before using this product, food products and packaging materials must be removed from area or carefully protected. For use on floors, walls and storage areas. Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or (hand pump trigger spray device) (mechanical spray device) so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surface to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES (For countertops, exterior surfaces of appliances, and tables): Before using this product, food products and packaging materials must be removed from area or carefully protected. Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or (hand pump trigger spray device) (mechanical spray device) so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surface to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water. (Alternate statement: After use, all surfaces in the area must be thoroughly rinsed with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. This product is not for use on dishes, glassware, interior surfaces of appliances or eating utensils or interior surfaces of processing equipment.

FOR USE ON NON-FOOD CONTACT SURFACES AS A GENERAL DISINFECTANT IN THE BREWERY INDUSTRY: Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Follow the general disinfectant directions above.

DISINFECTING POTATO STORAGE AREA AND EQUIPMENT: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard, non-porous surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

SANITIZING NON-FOOD CONTACT SURFACE DIRECTIONS IN FOOD PROCESSING FACILITIES

[(SHOE) (BOOT)] BATH SANITIZER DIRECTIONS: To prevent cross contamination [(from area to area.) (in animal areas,) (and) (entryways) (the packaging and storage areas of food plants)], shoe baths containing one inch of fresh (undiluted) (ready-to-use) (full strength) solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in the solution (or allow to remain wet) for 3 minutes prior to entering area. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SHOE FOAM DIRECTIONS: To prevent cross contamination from [(area to area.) (in animal areas), (and) (entryways) (the packaging and storage areas of food plants)], apply a foam layer approximately 0.5 to 2 inches thick of (undiluted) (ready-to-use) (full strength) solution at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacture of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area (or allow to remain wet) for 3 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears [(diluted) (soiled) (visibly dirty)].

(For food processing or other facilities that have installed entryway sanitizing systems.)

ENTRYWAY SANITIZING SYSTEMS: To prevent cross contamination from area to area, set the system to deliver (undiluted) (ready-to-use) (full strength) sanitizing solution. The [(spray) (foam)] must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives to the sanitizing solution.

PRE-CLEANING DIRECTIONS: The first step in any on-going sanitation program must be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

Prior to use of this product, remove all animals and feeds from [(premises) (areas to be treated)], vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

VETERINARY PRACTICE ((CLINICS)/ANIMAL CARE FACILITIES/ANIMAL LABORATORY/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL RESEARCH CENTERS/ANIMAL QUARTANTINE AREAS/ZOOS/PET SHOP/KENNELS/ANIMAL HUSBANDRY/ANIMAL BREEDING FACILITIES/BREEDING AND GROOMING ESTABLISHMENT/TACK SHOPS) DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Follow pre-cleaning instructions. [(Saturate surfaces with) (Use) (Apply)] (undiluted) (ready-to-use) product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels and scrappers used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE FOR TREATMENT OF ANIMAL HOUSING FACILITIES:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous surfaces) with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces.
8. Do not house [(animals) (livestock)] or employ equipment until [(treatment has been absorbed, set and dried) (surface has dried)].
9. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers and other hard, non-porous surfaces with soap or detergent and rinse with potable water before reuse.
10. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]

DRESSING AND RENDERING PLANT USE (RENDERING PLANT/DRESSING PLANT) DISINFECTANT DIRECTIONS: Cover or remove all food and packaging materials. Remove all gross soils. Disinfect walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

RENDERING PLANT/DRESSING PLANT DISINFECTANT/FUNGICIDE/VIRUCIDE* DIRECTIONS: Cover or remove all food packaging material before disinfection. Remove gross soils. Apply to walls and floors in poultry and animal dressing plants with (undiluted) (ready-to-use) (full strength) solution. All surfaces must remain wet for 10 minutes. Disinfect all rooms, exterior walls and loading platforms of dressing plants.

Thoroughly rinse all wetted and cleaned surfaces with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FARM PREMISE DISINFECTION DIRECTIONS: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from (premises) (areas to be treated), vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. [(Saturate all surfaces with) (Use) (Apply)] this (undiluted) (ready-to-use) product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

FOR USE IN EQUINE, DAIRY AND HOG FARMS:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. [(Saturate all surfaces with) (Use) (Apply)] this (undiluted) (ready-to-use) product for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
9. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

VEAL, CALVING, HOG, CATTLE AND HORSE OPERATIONS: Between depopulations of facilities, cleaning and disinfection of pens, hutches, aisles and other hard, non-porous surfaces can be required. Flush soils from these areas. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A (H5N1) VIRUS:

Remove all poultry and feeds from [(premises) (areas to be treated)], trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTION OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:

Prior to disinfection, remove all poultry, other animals and their feed from [(premises) (areas to be treated)], vehicles (trucks and cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

DISINFECTION/FUNGICIDE/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS:

Prior to disinfection, remove all poultry, other animals and their feed from [(premises) (areas to be treated)], vehicles (trucks and cars) and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent, then rinsed with potable water before reuse.

HATCHERIES: Use this product undiluted to treat the following hard, non-porous surfaces: hatches, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, trash containers, carts, sexing tables, delivery trucks, vans and other hard non-porous surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse surfaces with potable water before reuse. Allow surfaces to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray device. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE IN LIVESTOCK, POULTRY AND TURKEY HOUSES:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
9. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT DIRECTIONS FOR CHICK VANS, EGG TRUCKS HATCHERY and FARM VEHICLES:

Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. Use this product undiluted to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. For sprayer applications, use a coarse spray device. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES OF AUTOMATED TRAY, RACK AND BUGGY WASHERS:

Remove all litter and manure from surfaces to be treated. Treat hard non-porous, non-food contact surfaces of automated trays, racks and buggy washers with this (undiluted) (ready-to-use) (full strength) solution for 10 minutes. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES IN EGG RECEIVING AND EGG HOLDING AREAS:

Remove all litter and manure from surfaces to be treated. Saturate hard non-porous, non-food surfaces with this (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Apply by sponge, cloth, brush or mechanical spray device. For sprayer applications, use a coarse spray device. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

MEAT PACKING PLANTS: Use this (undiluted) (ready-to-use) (full strength) product to disinfect hard, non-porous surfaces associated with the following sites: livestock vehicles and holding pens, receiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, surfaces of equipment for hide operations consisting of brine curing, hide transfer bin surfaces, chutes, conveyors, tallow and animal feed production hard, non-porous surfaces, processed products and offal equipment surfaces, fabrication and processing areas covering cold storage areas, all stainless steel cut out and prep tables, counter tops, conveyors, chains, tables, floors, walls and all stainless surfaces. Pre-clean all surfaces prior to use to remove gross soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed. All treated equipment that will contact animal feed or food surfaces must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

HIDE/LEATHER PROCESSING PLANTS: To use as a disinfectant/fungicide on hard, non-porous surfaces, apply this (undiluted) (ready-to-use) (full strength) solution. The product can be used on hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales, etc. Pre-clean all surfaces prior to use to remove gross soils. Thoroughly wet all hard, non-porous surfaces by evenly applying the (undiluted) (ready-to-use) (full strength) solution. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge, mechanical spray device or by immersion, thoroughly wetting surfaces. For sprayer applications, use a coarse spray device at 6-8" from surfaces. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry or allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS: Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup must wear coveralls, (disposable, if possible), rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air (HEPA) filter respirator or a powered air-purifying respirator (PAPR) with HEPA filter. Disinfect Personal Protective gear upon removal at the end of the day. If the coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed.

All potentially infective waste material (including respirator filter) from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious (if it is to be transported) and disposed of in accordance with local requirements for infectious waste.

Rodent droppings and visible dust may be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This can spread the virus through the air.
4. Thoroughly wet the contaminated areas with the product and allow solution to stand undisturbed for contact time specified by the manufacturer's label.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
6. Treat the surface again following the manufacturer's label directions and allow solution to stand undisturbed for 10 minutes.

TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION: (Animals frequently defecate on hot rocks and other hard, non-porous cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items.) [(Do not use on porous rocks, hot rocks and driftwood.)]

1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous surfaces) with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
7. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. Clean terrarium at least once weekly or more as needed.

Note: Do not apply this product directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately. Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS: Remove all reptiles from the [(enclosure) (tank)] prior to cleaning and disinfecting. Remove all litter or droppings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply the disinfecting and virucidal* (ready-to-use) (undiluted) (full strength) solution to the surfaces of the [(enclosure) (tank)] until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry. Rinse all surfaces that come in contact with food with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. Allow the [(enclosure) (tank)] to ventilate for a minimum of 10-15 minutes before replacing the reptiles.

Note: Do not apply this product directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.

**SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES
IN ANIMAL PREMISES**

POULTRY (AND SWINE) PREMISE SANITATION

Site Preparation: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION ON POULTRY (AND SWINE) PREMISES: Remove all animals and feeds from [(premises) (areas to be treated)], vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO SANITIZE HOOF TRIMMING EQUIPMENT: Prior to application, pre-clean hoof trimming equipment and utensils before and after use on each animal with detergent and warm water or compatible cleaner to remove soil using a pre-scrape, pre-flush, or when necessary, pre-soak followed by a potable water rinse. Apply (undiluted) (ready-to-use) (full strength) solution to pre-cleaned hard surfaces using a brush, cloth, sponge or mechanical spray device or by immersion to thoroughly wet surfaces. Allow surfaces to remain wet for at least 3 minutes followed by adequate draining or air drying. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* FOR BARBER/SALON TOOLS: Immerse pre-cleaned barber/salon tools, such as combs, brushes, plastic rollers, razors, manicure/pedicure tools, clippers, tweezers, clipper and trimmer blades, and scissors and other hard non-porous salon instruments and tools, in (undiluted) (ready-to-use) (full strength) solution. Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

FOR USE TO CLEAN AND DISINFECT BARBER AND BEAUTY/MANICURE INSTRUMENTS AND TOOLS:

1. Pre-clean heavily soiled items.
2. Completely immerse pre-cleaned combs, scissors, plastic rollers, clipper blades, razors, manicure implements and other non-porous instruments in (undiluted) (ready-to-use) (full strength) solution so that surfaces remain wet for [(ten) (10)] minutes.
3. Rinse surfaces thoroughly and let air dry before reuse.
4. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]*(OR)*

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* OF GROOMING CLIPPERS: Turn the clipper off occasionally during use and spray between the teeth of blades with (undiluted) (ready-to-use) (full strength) solution. Allow surface to remain wet for at least 10 minutes. Remove hair, dandruff and dust particles prior to disinfecting the blades. Rinse surfaces thoroughly. Then wipe dry with a clean soft cloth. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

CLEANING HAIR CLIPPERS AND ELECTRIC SHEARS: While clipper/shear is running, hold in the downward position and spray (undiluted) (ready-to-use) (full strength) solution directly onto the blades two or three times to thoroughly wet the blades. Do not spray on the clipper case or drip into clipper housing. Turn off clipper/shear. Allow surface to remain wet for at least 10 minutes. Rinse surfaces thoroughly. Then wipe dry with a clean soft cloth. Lubricate as per clipper/shear manufacturer's instructions. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

CLEANING BARBER/SALON SHEARS AND OTHER IMPLEMENTS: Spray shear/implement until thoroughly wet. Wipe away visible debris using a soft bristle brush or cloth. Turn off clipper/shear. Immerse pre-cleaned shear/implement into a container of this (undiluted) (ready-to-use) (full strength) solution for at least 10 minutes. Rinse surfaces thoroughly. Remove shear/implement and wipe dry. No rinsing is necessary. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(Note to Reviewer: The following statement will be used with all above Barber/Salon Directions for Use).

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and other metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* OF HARD, NON-POROUS SURFACES IN FOOTBATHS: To remove body oils, dead tissue, soil and all other buildups or organic matter on hard, non-porous surfaces after using the footbath, drain the water and thoroughly clean all hard, non-porous surfaces with soap or detergent, then rinse with water. Using (undiluted) (ready-to-use) (full strength) solution to saturate exposed surfaces with a brush, cloth, sponge or mechanical spray device. Brush or swab thoroughly and allow solution to stand for 10 minutes. For spray applications, use a coarse pump or trigger spray device. Do not breathe spray. After the unit has been thoroughly disinfected, rinse all cleaned surfaces with fresh water. Do not breathe spray. Do not use equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE AS A NON-ACID BOWL CLEANER/DISINFECTANT IN TOILET BOWLS:

1. Pre-clean heavily soiled areas.
2. Remove water from toilet bowl.
3. Add 1-2 ounces of (undiluted) (ready-to-use) (full strength) solution directly into toilet bowl.
4. Swab entire surface area especially under the rim.
5. Repeat and allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.
7. Refill toilet bowl with water.

(For non-refillable containers greater than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

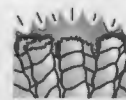
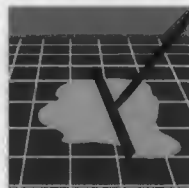
(For sealed containers – **Note to Reviewer:** sealed containers are designed to reduce worker exposure. None of these types of containers can be triple rinsed because they are closed, welded, sealed containers.)

Non-Refillable Container. Do not reuse or refill this container. Wrap empty container and put in trash or offer for recycling.

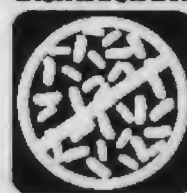
(Refillable Containers)

Refillable Container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Note to Reviewer: These are representative icons for use sites/application methods that may appear on the label with the appropriate directions for use, PPE or package type.)



DISINFECTANT



DESINFECTANTE



**WARNING
AVISO**



**CHILDREN CAN FALL INTO
BUCKET AND DROWN
KEEP CHILDREN AWAY FROM
BUCKETS WITH EVEN A
SMALL AMOUNT OF WATER**

**Niños pueden caer adentro
de el balde y ahogarse.
Retire los niños de el
balde aunque solamente
tenga un poco de agua**



DISINFECTANT



COMMERCIAL FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard non-porous surfaces in one step, remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply (undiluted) (ready-to-use) (full strength) solution to hard non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, brush, sponge or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger spray device. Spray 6-8 inches from surface. Rub with brush, sponge, or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

WORK AREAS AND BENCHES: Spray or swab working surface with this (undiluted) (ready-to-use) (full strength) product for 10 minutes before each work period and again after each plant is completed to help control transfer of diseases such as *Botrytis*, crown rot, downy mildew, *Erwinia* and root rot[†]. To apply solution as a sprayer application, use as a coarse spray only. ([†]Not for use in CA.)

POTS, FLATS AND FLOWER BUCKETS: Brush or wash used pots and flats, then soak in 1 -2 oz. of this (undiluted) (ready-to-use) (full strength) product for 10 minutes to help control transfer of diseases such as anthracnose, blight, *Botrytis*, crown rot, *Erwinia*, mildew, root rot[†], and rust. ([†]Not for use in CA.)

CUTTING TOOLS: Soak cutting edge of tool for 10 minutes in 1 -2 oz. of this (undiluted) (ready-to-use) (full strength) product before use to help control transfer of diseases such as *Botrytis*, *Erwinia*, root[†] and stem rots, and Tobacco Mosaic Virus (TMV). Dry and oil tools at the end of each workday. ([†]Not for use in CA.)

CLEANSING OF BODY SURFACES AND BODY ORIFICES OF HUMAN REMAINS:

To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, apply this (ready-to-use) (full strength) product undiluted to the surfaces and body openings, natural or artificial. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Allow a 10 minute contact time for optimal results. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DIRECTIONS FOR ALTERNATE CONTAINERS

SPRAY USE INSTRUCTIONS:

How to Assemble Extendable Trigger

1. Remove sprayer from bottle.
2. Insert end of tube into bottle until new cap meets bottle.
3. Twist cap onto bottle until secure.
4. Twist pump up handle so it unlocks and raise up.
5. To prime sprayer, pump up and down. **Note:** Keeping sprayer head below the level of liquid in bottle will make priming easier. When priming, hold sprayer level to the ground. If held at an angle, sprayer will not prime.

How to Spray

1. Unlock nozzle. Adjust nozzle to ON (**Note to Reviewer:** There will be an ON symbol here) position as indicated on nozzle.
2. Direct nozzle toward surface to be treated and squeeze trigger several times until liquid is seen through the length of the tube.

After Use

1. Turn nozzle to OFF (**Note to Reviewer:** There will be an OFF symbol here) position and return to holster.

(Spray Cap container language)

Shake Well. Remove sticker. Open flip cap. Firmly insert red hose tip.

REFILLS

To Refill From Large Containers Into Smaller Containers: This product can be used to fill and refill clean, properly labeled containers for use elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

(PESTICIDE) STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

(**Note to Reviewer:** One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.)

(For residential/household use ONLY)

Non-Refillable Container. Do not reuse or refill this container. Offer for recycling if available or place in trash.

(For products with industrial, institutional, commercial use – May choose appropriate non-refillable/refillable statement.)

(For non-refillable containers equal to or less than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Vacuum carpet thoroughly prior to application. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use (Use this product) on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to the cloth, a water-based product must not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product must not be mixed with other cleaning products.

WATER AND SMOKE DAMAGE RESTORATION: Effective against odor caused by water (and) (or) smoke for home, institutional, industrial and hospital use. This (undiluted) (ready-to-use) (full strength) product is particularly suitable for use in water damage restoration situations against odor caused by water on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Saturate affected materials with enough (undiluted) (ready-to-use) (full strength) product to remain wet for at least 10 minutes. Use proper ventilation.

SMOKE DAMAGE RESTORATION: Effective against odor caused by smoke for home, institutional, industrial and hospital use. This (undiluted) (ready-to-use) (full strength) product is particularly suitable for use in smoke damage restoration situations against odor caused by smoke on the following porous and semi-porous materials: carpets, carpet cushion, upholstery, drapes, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

SEWER BACKUP & RIVER FLOODING: During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. To rid affected area of odors caused by sewer backup and river flooding, saturate all affected areas with (undiluted) (ready-to-use) (full strength) product using a sprayer using a coarse spray tip, before and after cleaning and extraction.

CARPETS, CARPET CUSHIONS AND OTHER POROUS MATERIALS SUCH AS SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING: Effective against odor caused by water damage. For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Apply (undiluted) (ready-to-use) (full strength) product directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

ELECTRONICS SCREEN SANITIZING PERFORMANCE: This product is an effective (ready-to-use) sanitizer on hard, non-porous surfaces against the following organisms.

Enterobacter aerogenes (ATCC 13048)

Klebsiella pneumoniae (ATCC 4352)

Staphylococcus aureus (ATCC 6538)

TO SANITIZE (ELECTRONIC DEVICES): Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces, such as screens for electronic devices for 3 minutes. Spray sparingly 6-8 inches from the screen and wipe off with a clean dry cloth. For heavily soiled areas, a preliminary cleaning may be required.

FOR USE AS A (SCREEN) CLEANER: Spray sparingly 6-8 inches from the screen and wipe off with a clean dry cloth.

FOR CONTROL OF THE DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES: To control flies on non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwash areas, and bar and wait station areas. Remove food and food packaging prior to use. Cover exposed food-handling surfaces. After removing gross filth, apply (undiluted) (ready-to-use) (full strength) solution to surfaces and locations where flies breed. Spray surfaces thoroughly or apply by pouring or sponging onto the surface. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: *Drosophila* spp. and the *Phoridae* family. Spray or pour (undiluted) (ready-to-use) (full strength) solution into drain during time of lowest level of drain use. Add 14 ounces of (undiluted) (ready-to-use) (full strength) solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

This product is effective against:

Dactylium dendroides (ATCC 6676)

Site Preparation: The first step in any ongoing sanitation program should be the removal of gross contamination and debris. This can be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Disinfection: Wet all surfaces thoroughly. Treated surfaces must be allowed to remain wet for 10 minutes. Let air-dry. For heavily soiled areas, pre-clean first. Use a fresh (undiluted) (ready-to-use) (full strength) solution for each use.

For Heavy Duty Cleaning: When greater cleaning is desired, heavily soiled areas will require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

FOR DISINFECTING BAGLESS VACUUM CLEANERS: Turn off and unplug vacuum cleaner. Remove the hard, non-porous container that houses collected material from vacuum cleaner. Empty contents into a waste receptacle. Rinse collection container with water and wipe clean to remove any additional collected material. Apply 1 to 2 oz. of this (undiluted) (ready-to-use) (full strength) product to collection container with a cloth, sponge, or mechanical spray device so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surfaces to remain wet for 10 minutes. Then remove excess liquid. Wipe and let surface air dry. Reattach container to vacuum cleaner.

TO KILL FUNGI: Pre-clean heavily soiled surfaces. Apply this (ready-to-use) (full strength) (undiluted) product to hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Allow surfaces to air dry.

MOLD AND MILDEW CONTROL DIRECTIONS: This product will effectively inhibit the growth of mold and mildew and their odors on hard, non-porous surfaces. To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply this (ready-to-use) (full strength) (undiluted) product. Thoroughly wet all treated surfaces completely. Allow surface to remain wet for 10 minutes. Let surface air dry. Repeat application weekly or when growth or odor reappears.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE, INFLATABLE, NON-POROUS PLASTIC AND RUBBER STRUCTURES (animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POROUS ATHLETIC EQUIPMENT: For use on wrestling and gymnastic mats, athletic mats, exercise equipment, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

HUMIDIFIER DIRECTIONS: Formulated for use in portable humidifiers. Thoroughly clean the hard non-porous surfaces of the water tank and filters (before each heating season, or sooner if necessary). Add 1 ounce of this product to the tank. When you refill the tank, add 2 ounces of this product. Not for use in heat or atomizing type humidifiers. (Not for use in CA.)

HUMIDIFIER BACTERIA/ALGAE TREATMENT: Formulated for use in portable (evaporative) humidifiers. Thoroughly clean water tank and filters before each heating season, or sooner if necessary. Add 1 ounce of this product. When you refill the tank, add 1 ounce of this product. Not for use in heat vaporizing or atomizing type vaporizing humidifiers. (Not for use in CA.)

GENERAL DEODORIZATION: To deodorize, apply this (ready-to-use) (full strength) product undiluted. Excess material must be wiped up or allowed to air dry.

CLEANING/DEODORIZING DIRECTIONS: Apply (undiluted) (ready-to-use) (full strength) solution to clean and deodorize windows, mirrors and other surfaces with a brush, cloth, sponge or mechanical spray device so as to wet all surfaces thoroughly. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Do not breathe spray. Rub with sponge or cloth. Allow to air dry or wipe up excess liquid.

(OR)

FOR USE AS A (GENERAL) CLEANER AND/OR DEODORIZER: Apply 1 oz of (undiluted) (ready-to-use) (full strength) solution to surfaces. Wipe surfaces (and let air dry).

FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES AND GARBAGE HANDLING EQUIPMENT: It is especially important to pre-clean for the product to perform properly. Apply a wetting solution of this product.

FOR DEODORIZING SEPTIC STORAGE TANKS: Pre-clean heavily soiled areas. When tanks are empty, pour (undiluted) (ready-to-use) (full strength) solution into septic storage tank on recreational vehicles, campers and boats to control odors. As tank fills with sewage and the vehicle is moving, this solution will mix and provide an adequate deodorizing solution for this use. This product is to be used on gray and black water tanks only. Check with local, state, or federal authorities before disposing of sewage in accordance to federal, state and local regulations for waste disposal. (Not for use in CA.)

AIR FRESHENER/AUTOMOTIVE USES: Effective on smoking and food odors (garlic, fish, onions, etc.), automobile odors from tobacco, musty carpet smell, and beverage smells will be eliminated. This product will effectively neutralize odors. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, food, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow to air dry. (Not for use in CA.)

RV HOLDING TANKS/RECREATIONAL VEHICLES: For toilet waste and hold tanks, cover bottom of holding tank with water and 1 to 2 ounces of (undiluted) (ready-to-use) (full strength) solution to deodorize. If odors return before time to empty, add 1-2 ounces to the tank. For kitchen waste, add 1 to 2 ounces to gray water tank as needed to control malodors created by dirty dishwasher. (Not for use in CA.)

FOR ODORS CAUSED BY DOGS, CATS AND OTHER DOMESTIC ANIMALS: Use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization". (Not for use in CA.)

GLASS CLEANING/DEODORIZING DIRECTIONS: Use (undiluted) (ready-to-use) (full strength) solution to clean and deodorize windows, mirrors, and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Rub with sponge or cloth.

CARPET CLEANING

SPECIAL INSTRUCTIONS FOR CLEANING CARPET AGAINST ODOR CAUSED BY BACTERIA: This (undiluted) (ready-to-use) (full strength) product can be used to deodorize carpets in industrial and institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet, cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this (undiluted) (ready-to-use) (full strength) product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

CARPET CLEANING/DEODORIZER AGAINST ODOR CAUSED BY BACTERIA, FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

This (undiluted) (ready-to-use) (full strength) product cleans and deodorizes the carpet by eliminating odors caused by bacteria. It can be used in industrial and institutional, commercial and residential areas such as homes, motels, hotels chains, nursing homes and hospitals.

6. Remove screen trap to deodorize drain and apply 1 ounce directly on edge and into drain.
7. Wait 10 minutes, flush and rinse applicator.
8. Refill urinal with water.

DISINFECTION AND CLEANING TOILET BOWLS AND URINALS:

1. Preliminary cleaning is required for heavily soiled surfaces.
2. With a swab applicator, remove water from bowl by forcing out trap.
3. Press swab against side of bowl to remove excess water from applicator.
4. Apply 1-2 oz. of this (undiluted) (ready-to-use) (full strength) product evenly onto surface to be cleaned and disinfected.
5. Swab entire surface area especially under the rim where outlets are located.
6. Allow this product to remain wet on surfaces at least 10 minutes.
7. Flush toilet or urinal and rinse applicator thoroughly.
8. Refill bowl with water.

DEEP CLEANING/DISINFECTING WATERFREE (WATERLESS) URINALS:

Preliminary cleaning is required for heavily soiled surfaces. Remove and properly dispose of cartridge according to manufacturer's directions. Deep clean or disinfect the entire urinal by applying 1-2 ounces of the (undiluted) (ready-to-use) (full strength) solution directly onto surface. [(Brush (Scrub)) surfaces and let solution stand for 10 minutes. Dry surface with a soft cloth. Do not pour excess or soiled water down waterless urinal trap.

TO DISINFECT TOILET BOWLS:

1. Remove gross filth and heavy soil deposits.
2. Remove water from toilet bowl.
3. Apply 1-2 ounces of this product to swab applicator, cloth, sponge, or directly to surface.
4. Swab entire surface area, especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.
7. Refill toilet bowl with water.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS: Swab area and remove gross filth and heavy soil. Apply 1-2 ounces of (undiluted) (ready-to-use) (full strength) [(solution) (product name)] directly onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply (undiluted) (ready-to-use) (full strength) solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes.

Special instructions for foam guns: Pour (undiluted) (ready-to-use) (full strength) solution into foam gun bottle and attach bottle to spray nozzle and ensure gun is attached to hose. (Note: See foam gun instructions for more information. Once in place, squeeze the handle to disperse foam solution. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes. (Foam guns not for use in CA.)

3. Scrub surface using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

5. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

DISINFECT/DEODORIZE HOUSEHOLD SURFACES: For heavily soiled areas, a pre-cleaning step is required. To disinfect hard, non-porous surfaces such as floors, walls, counters, sinks, tubs, toilets, glazed tile, exterior surfaces of appliances, refrigerators or freezers, microwave exteriors, stove tops and hoods, tables, garbage pails and faucets apply as is with cloth, sponge or mechanical spray device. If a mechanical spray is used, spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not breathe spray. Treated surface must remain wet for 10 minutes before wiping. For heavily soiled areas a pre-cleaning step is required. The pre-clean step must be done according to the instructions under Kitchen/Bathroom/Household Cleaning. Rinse with potable water after use on surface that come in contact with food.

KITCHEN/BATHROOM/HOUSEHOLD CLEANING: Apply this (ready-to-use) (full strength) product undiluted with a brush, cloth, sponge or directly on surface with a mechanical spray device. If a mechanical spray is used spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not breathe spray. Do not use on paint or acrylic plastics. Wipe the soiled area clean. This product is not to be used on dishware, glasses or eating utensils.

SANITIZATION of EXTERIOR HOUSEHOLD SURFACES DIRECTIONS

Preparation of Use Solution: Add (undiluted) (ready-to-use) (full strength) solution to sanitize hard, non-porous exterior surfaces such as vinyl, plastic, sealed concrete, painted or sealed woodwork, and sealed stucco. Surfaces to be treated include house siding, decks, patios, walkways and driveways.

Application: Pre-clean surfaces. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge, mechanical spray device, or with a low-pressure (less than 60 psi) airless sprayer so as to wet all surfaces thoroughly. Treated surfaces must remain wet for 3 minutes. For sprayer applications, use a coarse spray device. Wearing suitable respiratory protective equipment and protective eyewear to control exposure to spray, pressure wash surfaces to thoroughly clean all treated areas using a high pressure spray. Do not breathe spray. One-half gallon of undiluted product will treat 200-300 sq. ft. of surface. User must wear protective eyewear as well as respiratory protective equipment.

Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION ON POULTRY (AND SWINE) PREMISES: Remove all animals and feeds from [(premises) (areas to be treated)], vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO SANITIZE HOOF TRIMMING EQUIPMENT: Prior to application, pre-clean hoof trimming equipment and utensils before and after use on each animal with detergent and warm water or compatible cleaner to remove soil using a pre-scrape, pre-flush, or when necessary, pre-soak followed by a potable water rinse. Apply (undiluted) (ready-to-use) (full strength) solution to pre-cleaned hard surfaces using a brush, cloth, sponge or mechanical spray device or by immersion to thoroughly wet surfaces. Allow surfaces to remain wet for at least 3 minutes followed by adequate draining or air drying. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* FOR BARBER/SALON TOOLS: Immerse pre-cleaned barber/salon tools, such as combs, brushes, plastic rollers, razors, manicure/pedicure tools, clippers, tweezers, clipper and trimmer blades, and scissors and other hard non-porous salon instruments and tools, in (undiluted) (ready-to-use) (full strength) solution. Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

FOR USE TO CLEAN AND DISINFECT BARBER AND BEAUTY/MANICURE INSTRUMENTS AND TOOLS:

1. Pre-clean heavily soiled items.
2. Completely immerse pre-cleaned combs, scissors, plastic rollers, clipper blades, razors, manicure implements and other non-porous instruments in (undiluted) (ready-to-use) (full strength) solution so that surfaces remain wet for [(ten) (10)] minutes.
3. Rinse surfaces thoroughly and let air dry before reuse.
4. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)](OR)

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* OF GROOMING CLIPPERS: Turn the clipper off occasionally during use and spray between the teeth of blades with (undiluted) (ready-to-use) (full strength) solution. Allow surface to remain wet for at least 10 minutes. Remove hair, dandruff and dust particles prior to disinfecting the blades. Rinse surfaces thoroughly. Then wipe dry with a clean soft cloth. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

CLEANING HAIR CLIPPERS AND ELECTRIC SHEARS: While clipper/shear is running, hold in the downward position and spray (undiluted) (ready-to-use) (full strength) solution directly onto the blades two or three times to thoroughly wet the blades. Do not spray on the clipper case or drip into clipper housing. Turn off clipper/shear. Allow surface to remain wet for at least 10 minutes. Rinse surfaces thoroughly. Then wipe dry with a clean soft cloth. Lubricate as per clipper/shear manufacturer's instructions. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

CLEANING BARBER/SALON SHEARS AND OTHER IMPLEMENTS: Spray shear/implement until thoroughly wet. Wipe away visible debris using a soft bristle brush or cloth. Turn off clipper/shear. Immerse pre-cleaned shear/implement into a container of this (undiluted) (ready-to-use) (full strength) solution for at least 10 minutes. Rinse surfaces thoroughly. Remove shear/implement and wipe dry. No rinsing is necessary. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(Note to Reviewer: The following statement will be used with all above Barber/Salon Directions for Use).

Note: Plastic instruments can remain immersed until ready to use. Stainless s' shears and other metal instruments must be removed after 10 minutes, rinsed, dn. and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

FOR USE AS A DISINFECTANT/FUNGICIDE/VIRUCIDE* OF HARD, NON-POROUS SURFACES IN FOOTBATHS: To remove body oils, dead tissue, soil and all other buildups or organic matter on hard, non-porous surfaces after using the footbath, drain the water and thoroughly clean all hard, non-porous surfaces with soap or detergent, then rinse with water. Using (undiluted) (ready-to-use) (full strength) solution to saturate exposed surfaces with a brush, cloth, sponge or mechanical spray device. Brush or swab thoroughly and allow solution to stand for 10 minutes. For spray applications, use a coarse pump or trigger spray device. Do not breathe spray. After the unit has been thoroughly disinfected, rinse all cleaned surfaces with fresh water. Do not breathe spray. Do not use equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE AS A NON-ACID BOWL CLEANER/DISINFECTANT IN TOILET BOWLS:

1. Pre-clean heavily soiled areas.
2. Remove water from toilet bowl.
3. Add 1-2 ounces of (undiluted) (ready-to-use) (full strength) solution directly into toilet bowl.
4. Swab entire surface area especially under the rim.
5. Repeat and allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.
7. Refill toilet bowl with water.

TO DISINFECT URINAL:

1. Remove gross filth and heavy soil deposits.
2. Empty urinal of water.
3. Apply solution of 1-2 ounces of this (undiluted) (ready-to-use) (full strength) product directly to urinal surfaces including water outlets area for general cleaning.
4. Then pour additional (undiluted) (ready-to-use) (full strength) solution on applicator.
5. Clean entire unit, especially under rim at water outlets, with applicator.

MEAT PACKING PLANTS: Use this (undiluted) (ready-to-use) (full strength) product to disinfect hard, non-porous surfaces associated with the following sites: livestock vehicles and holding pens, receiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, surfaces of equipment for hide operations consisting of brine curing, hide transfer bin surfaces, chutes, conveyors, tallow and animal feed production hard, non-porous surfaces, processed products and offal equipment surfaces, fabrication and processing areas covering cold storage areas, all stainless steel cut out and prep tables, counter tops, conveyors, chains, tables, floors, walls and all stainless surfaces. Pre-clean all surfaces prior to use to remove gross soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed. All treated equipment that will contact animal feed or food surfaces must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

HIDE/LEATHER PROCESSING PLANTS: To use as a disinfectant/fungicide on hard, non-porous surfaces, apply this (undiluted) (ready-to-use) (full strength) solution. The product can be used on hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales, etc. Pre-clean all surfaces prior to use to remove gross soils. Thoroughly wet all hard, non-porous surfaces by evenly applying the (undiluted) (ready-to-use) (full strength) solution. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge, mechanical spray device or by immersion, thoroughly wetting surfaces. For sprayer applications, use a coarse spray device at 6-8" from surfaces. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry or allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS: Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup must wear coveralls, (disposable, if possible), rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air (HEPA) filter respirator or a powered air-purifying respirator (PAPR) with HEPA filter. Disinfect Personal Protective gear upon removal at the end of the day. If the coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed.

All potentially infective waste material (including respirator filter) from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious (if it is to be transported) and disposed of in accordance with local requirements for infectious waste.

Rodent droppings and visible dust may be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This can spread the virus through the air.
4. Thoroughly wet the contaminated areas with the product and allow solution to stand undisturbed for contact time specified by the manufacturer's label.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.

6. Treat the surface again following the manufacturer's label directions and allow solution to stand undisturbed for 10 minutes.

TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION: (Animals frequently defecate on hot rocks and other hard, non-porous cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items.) [(Do not use on porous rocks, hot rocks and driftwood.)]

1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous surfaces) with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
7. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. Clean terrarium at least once weekly or more as needed.

Note: Do not apply this product directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately. Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS: Remove all reptiles from the [(enclosure) (tank)] prior to cleaning and disinfecting. Remove all litter or drippings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply the disinfecting and virucidal* (ready-to-use) (undiluted) (full strength) solution to the surfaces of the [(enclosure) (tank)] until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry. Rinse all surfaces that come in contact with food with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. Allow the [(enclosure) (tank)] to ventilate for a minimum of 10-15 minutes before replacing the reptiles.

Note: Do not apply this product directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN ANIMAL PREMISES

POULTRY (AND SWINE) PREMISE SANITATION

Site Preparation: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter.

SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A (H5N1)

VIRUS: Remove all poultry and feeds from [(premises) (areas to be treated)], trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTION OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:

Prior to disinfection, remove all poultry, other animals and their feed from [(premises) (areas to be treated)], vehicles (trucks and cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

DISINFECTION/FUNGICIDE/VIRUCIDE* OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS:

Prior to disinfection, remove all poultry, other animals and their feed from [(premises) (areas to be treated)], vehicles (trucks and cars) and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent, then rinsed with potable water before reuse.

HATCHERIES: Use this product undiluted to treat the following hard, non-porous surfaces: hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, trash containers, carts, sexing tables, delivery trucks, vans and other hard non-porous surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse surfaces with potable water before reuse. Allow surfaces to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray device. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE IN LIVESTOCK, POULTRY AND TURKEY HOUSES:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution for period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, managers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
9. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT DIRECTIONS FOR CHICK VANS, EGG TRUCKS HATCHERY and FARM VEHICLES:

Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. Use this product undiluted to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. For sprayer applications, use a coarse spray device. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES OF AUTOMATED TRAY, RACK AND BUG/

WASHERS: Remove all litter and manure from surfaces to be treated. Treat hard non-porous, non-food contact surfaces of automated trays, racks and buggy washers with this (undiluted) (ready-to-use) (full strength) solution for 10 minutes. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES IN EGG RECEIVING AND EGG HOLDING AREAS:

Remove all litter and manure from surfaces to be treated. Saturate hard non-porous, non-food surfaces with this (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Apply by sponge, cloth, brush or mechanical spray device. For sprayer applications, use a coarse spray device. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

VETERINAR. PRACTICE ((CLINICS)/ANIMAL CARE FACILITIES/ANIMAL LABORATORY/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL RESEARCH CENTERS/ANIMAL QUARANTINE AREAS/ZOOS/PET SHOP/KENNELS/ANIMAL HUSBANDRY/ANIMAL BREEDING FACILITIES/BREEDING AND GROOMING ESTABLISHMENT/TACK SHOPS) DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Follow pre-cleaning instructions. [(Saturate surfaces with) (Use) (Apply)] (undiluted) (ready-to-use) product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels and scrappers used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE FOR TREATMENT OF ANIMAL HOUSING FACILITIES:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous surfaces) with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces.
8. Do not house [(animals) (livestock)] or employ equipment until [(treatment has been absorbed, set and dried) (surface has dried)].
9. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers and other hard, non-porous surfaces with soap or detergent and rinse with potable water before reuse.
10. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]

DRESSING AND RENDERING PLANT USE (RENDERING PLANT/DRESSING PLANT) DISINFECTANT DIRECTIONS:

Cover or remove all food and packaging materials. Remove all gross soils. Disinfect walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

RENDERING PLANT/DRESSING PLANT DISINFECTANT/FUNGICIDE/VIRUCIDE*

DIRECTIONS: Cover or remove all food packaging material before disinfection. Remove gross soils. Apply to walls and floors in poultry and animal dressing plants with (undiluted) (ready-to-use) (full strength) solution. All surfaces must remain wet for 10 minutes. Disinfect all rooms, exterior walls and loading platforms of dressing plants.

Thoroughly rinse all wetted and cleaned surfaces with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FARM PREMISE DISINFECTION DIRECTIONS: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from (premises) (areas to be treated), vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. [(Saturate all surfaces with) (Use) (Apply)] this (undiluted) (ready-to-use) product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

(OR)

FOR USE IN EQUINE, DAIRY AND HOG FARMS:

1. Remove all animals and feed from [(premises) (areas to be treated)], vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. [(Saturate all surfaces with) (Use) (Apply)] this (undiluted) (ready-to-use) product for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrappers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.
9. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

VEAL, CALVING, HOG, CATTLE AND HORSE OPERATIONS: Between depopulations of facilities, cleaning and disinfection of pens, hutches, aisles and other hard, non-porous surfaces can be required. Flush soils from these areas. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with (undiluted) (ready-to-use) (full strength) solution and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE AS A CLEANER/DISINFECTANT IN FOOD PROCESSING PLANTS:

1. Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
2. Apply (undiluted) (ready-to-use) (full strength) solution evenly over surface using a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Be sure to wet all surfaces thoroughly. Do not breathe spray.
3. Allow product to remain on surface for [(ten) (10)] minutes.
4. Wipe with clean cloth, sponge or paper towel.
5. For heavily soiled areas, thoroughly clean surface prior to disinfecting.
6. When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware and dishes or interior surfaces of processing equipment.
7. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO DISINFECT FOOD-PROCESSING (AND TOBACCO PREMISES): Before using this product, food products and packaging materials must be removed from area or carefully protected. For use on floors, walls and storage areas. Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or (hand pump trigger spray device) (mechanical spray device) so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surface to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES (For countertops, exterior surfaces of appliances, and tables): Before using this product, food products and packaging materials must be removed from area or carefully protected. Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or (hand pump trigger spray device) (mechanical spray device) so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surface to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water. (Alternate statement: After use, all surfaces in the area must be thoroughly rinsed with potable water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. This product is not for use on dishes, glassware, interior surfaces of appliances or eating utensils or interior surfaces of processing equipment.

FOR USE ON NON-FOOD CONTACT SURFACES AS A GENERAL DISINFECTANT IN THE BREWERY INDUSTRY: Apply (undiluted) (ready-to-use) (full strength) solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Follow the general disinfectant directions above.

DISINFECTING POTATO STORAGE AREA AND EQUIPMENT: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard, non-porous surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

SANITIZING NON-FOOD CONTACT SURFACE DIRECTIONS IN FOOD PROCESSING FACILITIES

[(SHOE) (BOOT)] BATH SANITIZER DIRECTIONS: To prevent cross contamination [(from area to area.) (in animal areas.) (and) (entryways) (the packaging and storage areas of food plants)], shoe baths containing one inch of fresh (undiluted) (ready-to-use) (full strength) solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in the solution (or allow to remain wet) for 3 minutes prior to entering area. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SHOE FOAM DIRECTIONS: To prevent cross contamination from [(area to area.) (in animal areas), (and) (entryways) (the packaging and storage areas of food plants)], apply a foam layer approximately 0.5 to 2 inches thick of (undiluted) (ready-to-use) (full strength) solution at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacture of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area (or allow to remain wet) for 3 minutes prior to entering area. Foam area must be washed and replaced least daily or when it appears [(diluted) (soiled) (visibly dirty)].

(For food processing or other facilities that have installed entryway sanitizing systems.)

ENTRYWAY SANITIZING SYSTEMS: To prevent cross contamination from area to area, set the system to deliver (undiluted) (ready-to-use) (full strength) sanitizing solution. The [(spray) (foam)] must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives to the sanitizing solution.

PRE-CLEANING DIRECTIONS: The first step in any on-going sanitation program must be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

Prior to use of this product, remove all animals and feeds from [(premises) (areas to be treated)], vehicles (trucks, cars), and enclosures (coops, crates, kennels, stable). Remove all litter, droppings and manure from floors, walls and surfaces of bams, pe, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

Not for use on medical devices or medical equipment surfaces. (*Alternate statement:* This product is not for use on Medical device surfaces.)

INSTITUTIONAL DISINFECTANT DIRECTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions): Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to disinfect hard, non-porous surfaces, thoroughly wetting surfaces with a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)]. **Note:** With spray applications cover or remove all food products.

VIRUCIDAL* PERFORMANCE: Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to treated surfaces, thoroughly wetting surfaces with a brush, cloth, sponge or mechanical spray device. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for ten minutes. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A (H5N1) VIRUS: For use in homes, hospitals, hotels, motels and schools, follow the disinfection directions. (*OR*) For use in animal housing facilities follow the animal premise directions.

HEPATITIS B VIRUS: With a 10 minute contact time this product was found to be effective against (*Duck*) Hepatitis B Virus.

HEPATITIS C VIRUS: With a 10 minute contact time, this product was found to be effective against Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

HIV (AIDS VIRUS): With a 2 minute contact time, this product was found to be effective against HIV-1 (AIDS virus).

***KILLS HIV, HCV AND HBV ON PRE-CLEANED HARD, NON-POROUS SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of hard, non-porous surfaces/objects with body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1** (HIV-1) (associated with AIDS), (*Duck*) Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV AND HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Clean-up must always be done wearing protective latex gloves, gowns, masks and eye protection. (*Alternate statement:* Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye protection.)

Cleaning Procedure: Blood and other body fluids (containing HIV-1, HBV & HCV) must be thoroughly cleaned from surfaces and objects before application of this product (the disinfectant).

Disposal of Infectious Materials: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: For HIV, let surface remain wet for 2 minutes with (undiluted) (ready-to-use) (full strength) solution. For HBV, HCV and all other organisms listed on label, a 10 minute contact time is required.

SURGICAL INSTRUMENT PRE-SOAK: Pour (undiluted) (ready-to-use) (full strength) solution into container. Place pre-cleaned instruments in solution to pre-soak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure. Replace product if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Plastic instruments can remain immersed until sterilization. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle until sterilization. Prolonged soaking will cause damage to metal instruments. Surgical instruments must be sterilized before use.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean equipment if heavily soiled to ensure proper surface contact. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations . cleaning respiratory protection equipment (29 CFR § 1910.134).

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES (IN INSTITUTIONAL FACILITIES)

TO SANITIZE (AND DEODORIZE): Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces, thoroughly wetting surfaces as required, with a brush, cloth, sponge or mechanical spray device or by immersion. Pre-clean heavily soiled areas.. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Let stand for 3 minutes. Then wipe. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

SANITIZATION OF HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for [(three) (3)] minutes. Remove excess solution from equipment prior to storage

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

OR

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected. A potable water rinse is required.

DIRECTIONS FOR FOOD PROCESSING PLANTS: For use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Follow Disinfection directions.

DIRECTIONS FOR FOOD STORAGE AREAS: For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

Federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging material must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

Escherichia coli (*E. coli*), *Salmonella enterica* (*Salmonella*), and *Staphylococcus aureus* (*Staph*) are common bacteria found where food is prepared and stored. This product kills these bacteria and helps prevent cross-contamination on treated non-food contact kitchen surfaces listed on this label. A potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

This product cleans by removing dirt, grime and food soils in food preparation and processing areas. Its non-abrasive formula will not harm (scratch) surfaces. It cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

This product is effective against the control of small flies on non-food contact surfaces such as floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.

Use this product on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, glazed tiles, toilet, countertops, stove tops, exterior surfaces of appliances and refrigerators, cabinets, garbage cans, outdoor furniture (except cushions and wood frames), desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

Disinfects, cleans, and deodorizes the following hard, non-porous surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.).

Its non-abrasive formula is designed for use on (Use daily on) (hard, non-porous surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, brass, copper, laminated surfaces and baked enamel surfaces (associated with floors, walls, ceiling, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms, shower rooms and locker rooms (areas) – any washable (food and non-food contact) surface where disinfection is required. This product's non-dulling formula eliminates the time and labor normally required for rinsing floors. A potable water rinse is required for food contact surfaces. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances.

- Neutral (Neutral pH).
- Disinfects (Disinfectant).
- Cleans (Cleaner).
- Deodorizes (Deodorizer).

For use in households.

Will not harm sealed stone, sealed grout, or glazed tile.

This product is a complete, chemically balanced disinfectant (sanitizer) that provides a clear solution even in the presence of hard water.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DISINFECTION/FUNGICIDAL/VIRUCIDAL* DIRECTIONS: Pre-clean heavily soiled areas. Apply this (undiluted) (ready-to-use) (full strength) product undiluted to walls, floors and other hard, non-porous surfaces such as Crypton barrier fabric, tables, chairs, countertops, sinks, glazed tile, and glazed porcelain with a brush, cloth, sponge or mechanical spray device so as to thoroughly wet surfaces. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Do not breathe spray. Treated surfaces must remain wet for 10 minutes and then let air dry or wipe up excess liquid. Rinse food contact surfaces with potable water after use. Rinsing is not necessary unless floors are to be coated with finish or restorer. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

OR

Apply this product to hard, non-porous surfaces with a cloth or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes.

CLEANING AND DISINFECTION: Pre-clean heavily soiled areas. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge or mechanical spray device so as to wet all surfaces thoroughly to be cleaned and disinfected. For sprayer applications, use a coarse pump or trigger spray device. Spray 6-8 inches from surface. Do not breathe spray. Allow surfaces to remain wet for 10 minutes and then air dry or wipe up excess liquid. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].
(OR)

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT:

1. Pre-clean heavily soiled areas.
2. Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces using a sponge, brush, cloth or mechanical spray device.
3. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes.
4. Wipe surfaces (and let air dry).
5. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

(Note for reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used.)

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or, (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(OR)

Malodor(s) (Odor) (Counteractancy) – eliminates (destroys) odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors). (Not for use in CA.)

This product is a versatile disinfectant/sanitizer for Veterinarian, Veterinary Practice, Animal Care, Animal Laboratory, and Agricultural and Farm Premise applications.

This product cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

This product can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and cage furniture (plastic terrarium ornaments, driftwood, heat caves and water dishes). Do not use on porous rocks, hot rocks and driftwood.

This product has passed the Virucidal* Efficacy of a Disinfectant for Use on hard, non-porous surfaces Utilizing Canine Coronavirus.

This product cleans, disinfects and deodorizes (hard, non-porous surfaces) in one step. Its non-abrasive formula is designed for use on (Use daily on) (Use daily to clean and disinfect) (hard, non-porous surfaces): plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces (associated with floors, walls, countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

This product has been designed for veterinarians, animal groomers, hair stylists, barbers and beauticians, for use in disinfecting and maintaining clippers. It acts as a virucide* and bactericide while also cleaning. Regular use will help to maintain blades that operate with reduced friction and with smoother clipping action. Will help to prolong equipment life. This product is designed for use in pet salons, animal hospitals, barber and beauty shops. When used as directed it will disinfect metal clipper blades as well as many other hard, non-porous surfaces.

This product cleans rodent soiled areas.

This product is for use in Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is for use in Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

Kill (Avian) Influenza A Virus (H5N1) on pre-cleaned hard, non-porous surfaces.

This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.

When used as directed, this product will disinfect hard, non-porous surfaces, such as flower buckets, floors and walls of coolers, design and packing benches, and countertops.

This product can be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use this product to clean, disinfect and deodorize flower buckets, walls, floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

This product can be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause: (Not for use in CA.)

1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.

Use this product to disinfect and sanitize non-porous salon/barber tools and instruments such as combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and baths and manicure/pedicure instruments.

Use this product to disinfect non-porous salon/barber tools and instruments such as combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers and manicure/pedicure instruments and footbath surfaces.

Use this product to clean, sanitize and disinfect hard non-porous surfaces of personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, headphones, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

Use to clean and disinfect non-medical (i.e. industrial and fire-fighting) respirators in industrial, commercial and institutional premises.

Use (on) (to clean and disinfect) non-porous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

Floor cleaner.

This product is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.

This product provides effective cleaning strength that will not dull most metal-interl floor finishes, and does not require a rinse prior to recoat.

Cleans everyday kitchen messes.

Cleans non-food contact kitchen surfaces and food preparation areas.

Cleans everyday kitchen messes like dirt, grease and food stains. Cuts through tough grease and grime.

For use in:

Federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

Technology Sciences Group Inc.

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September 12, 2014

**RE: Mason Chemical Company: Maquat[®] 86-M, EPA Reg. No.: 10324-85
Notification to Revise Marketing Claims**

Dear Ms. Noble:

Technology Sciences Group Inc. (TSG), on behalf of Mason Chemical Company, is submitting the enclosed notification for their end-use product, Maquat[®] 86-M, EPA Reg. No. 10324-85. Mason Chemical Company has revised a marketing statement to correctly reflect the directions for use approved on the label.

Enclosed are the following items to support this notification for Maquat[®] 86-M:

- 1) Application form;
- 2) One copy of the highlighted label that identifies the changes;
- 3) Three copies of the clean label.

Please do not hesitate to contact me at 202-828-8954 or mpletka@tsgusa.com or Lisa Amadio at 224-404-2029 or lmamadio@pilotchemical.com with any questions.

Sincerely,

Megan E. Pletka

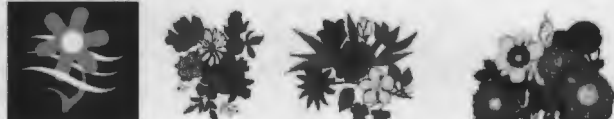
Megan E. Pletka
Consultant to Mason Chemical
Company

cleans – sanitizes
electronic devices



(Note to Reviewer: These are representative icons/descriptions that will appear on the label with the appropriate formula fragrance.)

Floral Scent



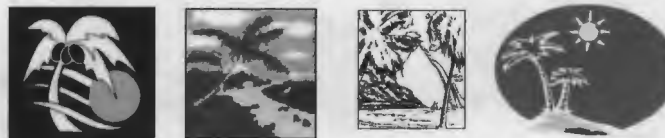
Lemon/Lime/Orange/Citrus Scent



Pine Scent



Tropical/Fresh Scent



Mint/Wintergreen Scent



Lemon/Cherry/Apple Scent



TO DISINFECT URINAL:

1. Remove gross filth and heavy soil deposits.
2. Empty urinal of water.
3. Apply solution of 1-2 ounces of this (undiluted) (ready-to-use) (full strength) product directly to urinal surfaces including water outlets area for general cleaning.
4. Then pour additional (undiluted) (ready-to-use) (full strength) solution on applicator.
5. Clean entire unit, especially under rim at water outlets, with applicator.
6. Remove screen trap to deodorize drain and apply 1 ounce directly on edge and into drain.
7. Wait 10 minutes, flush and rinse applicator.
8. Refill urinal with water.

DISINFECTION AND CLEANING TOILET BOWLS AND URINALS:

1. Preliminary cleaning is required for heavily soiled surfaces.
2. With a swab applicator, remove water from bowl by forcing out trap.
3. Press swab against side of bowl to remove excess water from applicator.
4. Apply 1-2 oz. of this (undiluted) (ready-to-use) (full strength) product evenly onto surface to be cleaned and disinfected.
5. Swab entire surface area especially under the rim where outlets are located.
6. Allow this product to remain wet on surfaces at least 10 minutes.
7. Flush toilet or urinal and rinse applicator thoroughly.
8. Refill bowl with water.

DEEP CLEANING/DISINFECTING WATERFREE (WATERLESS) URINALS:

Preliminary cleaning is required for heavily soiled surfaces. Remove and properly dispose of cartridge according to manufacturer's directions. Deep clean or disinfect the entire urinal by applying 1-2 ounces of the (undiluted) (ready-to-use) (full strength) solution directly onto surface. [(Brush (Scrub))] surfaces and let solution stand for 10 minutes. Dry surface with a soft cloth. Do not pour excess or soiled water down waterless urinal trap.

TO DISINFECT TOILET BOWLS:

1. Remove gross filth and heavy soil deposits.
2. Remove water from toilet bowl.
3. Apply 1-2 ounces of this product to swab applicator, cloth, sponge, or directly to surface.
4. Swab entire surface area, especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.
7. Refill toilet bowl with water.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS: Swab area and remove gross filth and heavy soil. Apply 1-2 ounces of (undiluted) (ready-to-use) (full strength) [(solution) (product name)] directly onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply (undiluted) (ready-to-use) (full strength) solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes.

Special instructions for foam guns: Pour (undiluted) (ready-to-use) (full strength) solution into foam gun bottle and attach bottle to spray nozzle and ensure gun is attached to hose. (Note: See foam gun instructions for more information. Once in place, squeeze the handle to disperse foam solution. To disinfect, all surfaces must remain wet for [(ten) (10)] minutes. (Foam guns not for use in CA.)

3. Scrub surface using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.
5. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

HOUSEHOLD USES

DISINFECT/DEODORIZE HOUSEHOLD SURFACES: For heavily soiled areas, a pre-cleaning step is required. To disinfect hard, non-porous surfaces such as floors, walls, counters, sinks, tubs, toilets, glazed tile, exterior surfaces of appliances, refrigerators or freezers, microwave exteriors, stove tops and hoods, tables, garbage pails and faucets apply as is with cloth, sponge or mechanical spray device. If a mechanical spray is used, spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not breathe spray. Treated surface must remain wet for 10 minutes before wiping. For heavily soiled areas a pre-cleaning step is required. The pre-clean step must be done according to the instructions under Kitchen/Bathroom/Household Cleaning. Rinse with potable water after use on surfaces that come in contact with food.

KITCHEN/BATHROOM/HOUSEHOLD CLEANING: Apply this (ready-to-use) (full strength) product undiluted with a brush, cloth, sponge or directly on surface with a mechanical spray device. If a mechanical spray is used spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not breathe spray. Do not use on paint or acrylic plastics. Wipe the soiled area clean. This product is not to be used on dishware, glasses or eating utensils.

SANITIZATION of EXTERIOR HOUSEHOLD SURFACES DIRECTIONS

Preparation of Use Solution: Add (undiluted) (ready-to-use) (full strength) solution to sanitize hard, non-porous exterior surfaces such as vinyl, plastic, sealed concrete, painted or sealed woodwork, and sealed stucco. Surfaces to be treated include house siding, decks, patios, walkways and driveways.

Application: Pre-clean surfaces. Apply (undiluted) (ready-to-use) (full strength) solution with a brush, cloth, sponge, mechanical spray device, or with a low-pressure (less than 60 psi) airless sprayer so as to wet all surfaces thoroughly. Treated surfaces must remain wet for 3 minutes. For sprayer applications, use a coarse spray device. Wearing suitable respiratory protective equipment and protective eyewear to control exposure to spray, pressure wash surfaces to thoroughly clean all treated areas using a high-pressure spray. Do not breathe spray. One-half gallon of undiluted product will treat 200-300 sq. ft. of surface. User must wear protective eyewear as well as respiratory protective equipment.

TO KILL FUNGI: Pre-clean heavily soiled surfaces. Apply this (ready-to-use) (full strength) (undiluted) product to hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Allow surfaces to air dry.

MOLD AND MILDEW CONTROL DIRECTIONS: This product will effectively inhibit the growth of mold and mildew and their odors on hard, non-porous surfaces. To control the growth of mold and mildew and their odors on hard, non-porous surfaces, apply this (ready-to-use) (full strength) (undiluted) product. Thoroughly wet all treated surfaces completely. Allow surface to remain wet for 10 minutes. Let surface air dry. Repeat application weekly or when growth or odor reappears.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE, INFLATABLE, NON-POROUS PLASTIC AND RUBBER STRUCTURES (animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POROUS ATHLETIC EQUIPMENT: For use on wrestling and gymnastic mats, athletic mats, exercise equipment, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with (undiluted) (ready-to-use) (full strength) solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

HUMIDIFIER DIRECTIONS: Formulated for use in portable humidifiers. Thoroughly clean the hard non-porous surfaces of the water tank and filters (before each heating season, or sooner if necessary). Add 1 ounce of this product to the tank. When you refill the tank, add 2 ounces of this product. Not for use in heat or atomizing type humidifiers. (Not for use in CA)

HUMIDIFIER BACTERIA/ALGAE TREATMENT: Formulated for use in portable (evaporative) humidifiers. Thoroughly clean water tank and filters before each heating season, or sooner if necessary. Add 1 ounce of this product. When you refill the tank, add 1 ounce of this product. Not for use in heat vaporizing or atomizing type vaporizing humidifiers. (Not for use in CA.)

GENERAL DEODORIZATION: To deodorize, apply this (ready-to-use) (full strength) product undiluted. Excess material must be wiped up or allowed to air dry.

CLEANING/DEODORIZING DIRECTIONS: Apply (undiluted) (ready-to-use) (full strength) solution to clean and deodorize windows, mirrors and other surfaces with a brush, cloth, sponge or mechanical spray device so as to wet all surfaces thoroughly. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Do not breathe spray. Rub with sponge or cloth. Allow to air dry or wipe up excess liquid.

(OR)

FOR USE AS A (GENERAL) CLEANER AND/OR DEODORIZER: Apply 1 oz of undiluted) (ready-to-use) (full strength) solution to surfaces. Wipe surfaces (and let air dry).

FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES AND GARBAGE HANDLING EQUIPMENT: It is especially important to pre-clean for the product to perform properly. Apply a wetting solution of this product.

FOR DEODORIZING SEPTIC STORAGE TANKS: Pre-clean heavily soiled areas. When tanks are empty, pour (undiluted) (ready-to-use) (full strength) solution into septic storage tank on recreational vehicles, campers and boats to control odors. As tank fills with sewage and the vehicle is moving, this solution will mix and provide an adequate deodorizing solution for this use. This product is to be used on gray and black water tanks only. Check with local, state, or federal authorities before disposing of sewage in accordance to federal, state and local regulations for waste disposal. (Not for use in CA.)

AIR FRESHENER/AUTOMOTIVE USES: Effective on smoking and food odors (garlic, fish, onions, etc.), automobile odors from tobacco, musty carpet smell, and beverage smells will be eliminated. This product will effectively neutralize odors. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, food, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow to air dry. (Not for use in CA.)

RV HOLDING TANKS/RECREATIONAL VEHICLES: For toilet waste and holding tanks, cover bottom of holding tank with water and 1 to 2 ounces of (undiluted) (ready-to-use) (full strength) solution to deodorize. If odors return before time to empty, add 1-2 ounces to the tank. For kitchen waste, add 1 to 2 ounces to gray water tank as needed to control malodors created by dirty dishwasher. (Not for use in CA.)

FOR ODORS CAUSED BY DOGS, CATS AND OTHER DOMESTIC ANIMALS: Use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization". (Not for use in CA.)

GLASS CLEANING/DEODORIZING DIRECTIONS: Use (undiluted) (ready-to-use) (full strength) solution to clean and deodorize windows, mirrors, and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface. Do not breathe spray. Rub with sponge or cloth.

CARPET CLEANING

SPECIAL INSTRUCTIONS FOR CLEANING CARPET AGAINST ODOR CAUSED BY BACTERIA: This (undiluted) (ready-to-use) (full strength) product can be used to deodorize carpets in industrial and institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this (undiluted) (ready-to-use) (full strength) product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

CARPET CLEANING/DEODORIZER AGAINST ODOR CAUSED BY BACTERIA, FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

This (undiluted) (ready-to-use) (full strength) product cleans and deodorizes the carpet by eliminating odors caused by bacteria. It can be used in industrial and institutional, commercial and residential areas such as homes, motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use (Use this product) on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to the cloth, a water-based product must not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product must not be mixed with other cleaning products.

WATER AND SMOKE DAMAGE RESTORATION (Not for use in CA.)

WATER AND SMOKE DAMAGE RESTORATION: Effective against odor caused by water (and) (or) smoke for home, institutional, industrial and hospital use. This (undiluted) (ready-to-use) (full strength) product is particularly suitable for use in water damage restoration situations against odor caused by water on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Saturate affected materials with enough (undiluted) (ready-to-use) (full strength) product to remain wet for at least 10 minutes. Use proper ventilation.

SMOKE DAMAGE RESTORATION: Effective against odor caused by smoke for home, institutional, industrial and hospital use. This (undiluted) (ready-to-use) (full strength) product is particularly suitable for use in smoke damage restoration situations against odor caused by smoke on the following porous and semi-porous materials: carpets, carpet cushion, upholstery, drapes, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

SEWER BACKUP & RIVER FLOODING: During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. To rid affected area of odors caused by sewer backup and river flooding, saturate all affective areas with (undiluted) (ready-to-use) (full strength) product using a sprayer using a coarse spray tip, before and after cleaning and extraction.

CARPETS, CARPET CUSHIONS AND OTHER POROUS MATERIALS SUCH AS SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING: Effective against odor caused by water damage. For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Apply (undiluted) (ready-to-use) (full strength) product directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

OTHER USES

ELECTRONICS SCREEN SANITIZING PERFORMANCE: This product is an effective (ready-to-use) sanitizer on hard, non-porous surfaces against the following organisms.

Enterobacter aerogenes (ATCC 13048)

Klebsiella pneumoniae (ATCC 4352)

Staphylococcus aureus (ATCC 6538)

TO SANITIZE (ELECTRONIC DEVICES): Apply (undiluted) (ready-to-use) (full strength) solution to hard, non-porous surfaces, such as screens for electronic devices for 3 minutes. Spray sparingly 6-8 inches from the screen and wipe off with a clean dry cloth. For heavily soiled areas, a preliminary cleaning may be required.

FOR USE AS A (SCREEN) CLEANER: Spray sparingly 6-8 inches from the screen and wipe off with a clean dry cloth.

FOR CONTROL OF THE DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES: To control flies on non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas. Remove food and food packaging prior to use. Cover exposed food-handling surfaces. After removing gross filth, apply (undiluted) (ready-to-use) (full strength) solution to surfaces and locations where flies breed. Spray surfaces thoroughly or apply by pouring or sponging onto the surface. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: *Drosophila* spp. and the *Phoridae* family. Spray or pour (undiluted) (ready-to-use) (full strength) solution into drain during time of lowest level of drain use. Add 14 ounces of (undiluted) (ready-to-use) (full strength) solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

This product is effective against:

Dactylium dendroides (ATCC 6676)

Site Preparation: The first step in any ongoing sanitation program should be the removal of gross contamination and debris. This can be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Disinfection: Wet all surfaces thoroughly. Treated surfaces must be allowed to remain wet for 10 minutes. Let air-dry. For heavily soiled areas, pre-clean first. Use a fresh (undiluted) (ready-to-use) (full strength) solution for each use.

For Heavy Duty Cleaning: When greater cleaning is desired, heavily soiled areas will require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

FOR DISINFECTING BAGLESS VACUUM CLEANERS: Turn off and unplug vacuum cleaner. Remove the hard, non-porous container that houses collected material from vacuum cleaner. Empty contents into a waste receptacle. Rinse collection container with water and wipe clean to remove any additional collected material. Apply 1 to 2 oz. of this (undiluted) (ready-to-use) (full strength) product to collection container with a cloth, sponge, or mechanical spray device so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow surfaces to remain wet for 10 minutes. Then remove excess liquid. Wipe and let surface air dry. Reattach container to vacuum cleaner.

COMMERCIAL FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard non-porous surfaces in one step, remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply (undiluted) (ready-to-use) (full strength) solution to hard non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, brush, sponge or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger spray device. Spray 6-8 inches from surface. Rub with brush, sponge, or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

WORK AREAS AND BENCHES: Spray or swab working surface with this (undiluted) (ready-to-use) (full strength) product for 10 minutes before each work period and again after each plant is completed to help control transfer of diseases such as *Botrytis*, crown rot, downy mildew, *Erwinia* and root rot[†]. To apply solution as a sprayer application, use as a coarse spray only. ([†]Not for use in CA.)

POTS, FLATS AND FLOWER BUCKETS: Brush or wash used pots and flats, then soak in 1 -2 oz. of this (undiluted) (ready-to-use) (full strength) product for 10 minutes to help control transfer of diseases such as anthracnose, blight, *Botrytis*, crown rot, *Erwinia*, mildew, root rot[†], and rust. ([†]Not for use in CA.)

CUTTING TOOLS: Soak cutting edge of tool for 10 minutes in 1 -2 oz. of this (undiluted) (ready-to-use) (full strength) product before use to help control transfer of diseases such as *Botrytis*, *Erwinia*, root[†] and stem rots, and Tobacco Mosaic Virus (TMV). Dry and oil tools at the end of each workday. ([†]Not for use in CA.)

CLEANSING OF BODY SURFACES AND BODY ORIFICES OF HUMAN REMAINS: To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, apply this (ready-to-use) (full strength) product undiluted to the surfaces and body openings, natural or artificial. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Allow a 10 minute contact time for optimal results. Replace solution if it becomes [(diluted) (soiled) (visibly dirty)].

DIRECTIONS FOR ALTERNATE CONTAINERS

SPRAY USE INSTRUCTIONS:

How to Assemble Extendable Trigger

1. Remove sprayer from bottle.
2. Insert end of tube into bottle until new cap meets bottle.
3. Twist cap onto bottle until secure.
4. Twist pump up handle so it unlocks and raise up.
5. To prime sprayer, pump up and down. **Note:** Keeping sprayer head below the level of liquid in bottle will make priming easier. When priming, hold sprayer level to the ground. If held at an angle, sprayer will not prime.

How to Spray

1. Unlock nozzle. Adjust nozzle to ON (**Note to Reviewer:** There will be an ON symbol here) position as indicated on nozzle.
2. Direct nozzle toward surface to be treated and squeeze trigger several times until liquid is seen through the length of the tube.

After Use

1. Turn nozzle to OFF (**Note to Reviewer:** There will be an OFF symbol here) position and return to holster.

(Spray Cap container language)

Shake Well. Remove sticker. Open flip cap. Firmly insert red hose tip.

REFILLS

To Refill From Large Containers Into Smaller Containers: This product can be used to fill and refill clean, properly labeled containers for use elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

(PESTICIDE) STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

(**Note to Reviewer:** One or more of the following paragraphs for Container Handling will be selected, depending on packaging use/type.)

(For residential/household use ONLY)

Non-Refillable Container. Do not reuse or refill this container. Offer for recycling if available or place in trash.

(For products with industrial, institutional, commercial use – May choose appropriate non-refillable/refillable statement.)

(For non-refillable containers equal to or less than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

(For non-refillable containers greater than 5 gal.)

Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

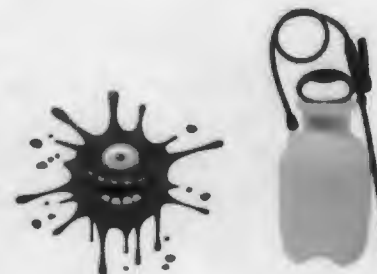
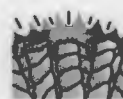
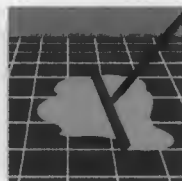
(For sealed containers – Note to Reviewer: sealed containers are designed to reduce worker exposure. None of these types of containers can be triple rinsed because they are closed, welded, sealed containers.)

Non-Refillable Container. Do not reuse or refill this container. Wrap empty container and put in trash or offer for recycling.

(Refillable Containers)

Refillable Container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank. Fill container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

(Note to Reviewer: These are representative icons for use sites/application methods that may appear on the label with the appropriate directions for use, PPE or package type.)

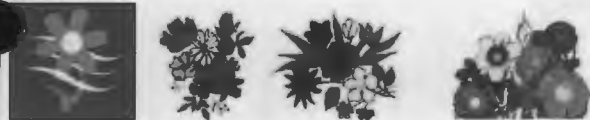


cleans + sanitizes
electronic devices



(Note to Reviewer: These are representative icons/descriptions that will appear on the label with the appropriate formula fragrance.)

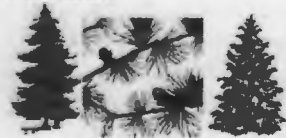
Floral Scent



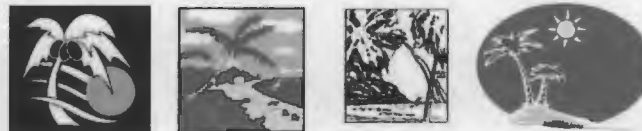
Lemon/Lime/Orange/Citrus Scent



Pine Scent



Tropical/Fresh Scent



Mint/Wintergreen Scent



Lemon/Cherry/Apple Scent



Technology Sciences Group Inc.

1150 18th Street, Suite 1000
Washington, DC 20036
Direct: (202) 828-8954
Fax: (202) 872-0745
E-Mail: Mpletka@TSGUSA.com



Megan E. Pletka
Regulatory Consultant

Submitted electronically

Ms. Velma Noble
Antimicrobials Division
Office of Pesticide Programs (7504P)
Document Processing Desk (E-SUB)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, Virginia 22202

May 27, 2014

**RE: Mason Chemical Company: Maquat[®] 86-M (10324-85)
Fast Track Label Amendment to Clarify Directions For Use, Reduce
Redundant Language and Correct Errors on the Label**

Dear Ms. Noble:

Technology Sciences Group Inc. (TSG), on behalf of Mason Chemical Company, is submitting the enclosed fast track label amendment for their end-use product, Maquat[®] 86-M. Mason Chemical Company has made the following changes on the enclosed label:

- Clarification of existing Directions for Use to reduce redundant language, add additional directions, and add "Not for Use in CA" where applicable.
- Revisions to Storage and Disposal to reduce redundant language.
- Corrections to the precautionary statements to adhere to acute toxicology profile.
- Addition of customer requested language
- Other minor corrections and clarification.

Enclosed are the following items to support this amendment for Maquat[®] 86-M:

1) Application form

Washington, D.C.
1150 18th St., NW, Suite 1000
Washington, D.C. 20036
Phone: (202) 223-4392

California
712 Fifth St., Suite A
Davis, CA 95616
Phone: (530) 757-1245

Canada
275 Slater St., Suite 900
Ottawa, Ontario K1P 5H9
Phone: (613) 247-6285

E-SUBMISSION

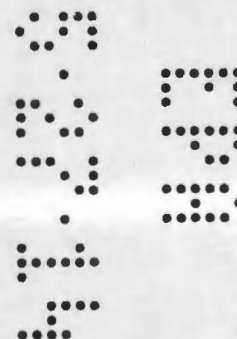
- 2) Copy of the highlighted label that identifies the changes
- 3) Copy of the clean proposed label

Please do not hesitate to contact me at 202-828-8954 or mpletka@tsgusa.com or Lisa Amadio at 224-404-2029 or lmamadio@pilotchemical.com with any questions.

Sincerely,


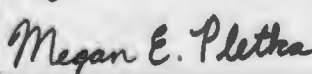
Megan E. Pletka

Megan E. Pletka
Consultant to Mason Chemical
Company



Please read instructions on reverse side before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98

 <div style="margin-left: 20px;"> United States Environmental Protection Agency Washington, DC 20460 </div>		<input type="checkbox"/> Registration <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
Application for Pesticide – Section I			
1. Company/Product Number 10324-85		2. EPA Product Manager Velma Noble	
4. Company/Product (Name) Maquat® 86-M		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
5. Name And Address Of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
Section II			
<input checked="" type="checkbox"/> Amendment – Explain below. <input type="checkbox"/> Final Printed labels in response to Agency letter dated _____ <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Notification – Explain below. <input type="checkbox"/> Other – Explain Below.			
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Fast track label amendment to clarify Directions For Use, reduce redundant language, add customer requested language and correct errors. Please send all correspondence to: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Megan Pletka Technology Sciences Group, Inc. 1150 18th St, NW Suite 1000 Washington, DC 20036 </div> <div style="width: 45%;"> OR Lisa Amadio Mason Chemical Company 721 W. Algonquin Rd. Arlington Hts, IL 60005 </div> </div>			
Section III			
1. Material This Product Will Be Packaged In:			
Child Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No * Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. Container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" No. per Unit Packaging wgt. Container	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(S) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithographed <input type="checkbox"/> Pager glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	
Section IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Megan E. Pletka, Technology Sciences Group		Title Regulatory Consultant	Telephone No. (Include Area Code) (202) 828-8954
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Consultant	
4. Typed Name Megan E. Pletka		5. Date May 27, 2014	

Material Sent for Data Extracior

Reg # 10324-88

Description: _____

☒ Material(s) Sent to Data Extraction Contractor

☐ New Stamped Label Dated _____

☐ Notification Dated _____

☐ New CSF(s) Dated _____

☒ Other: Chem. review

☒ Decision #: 486 430

☐ Other Action/Comments: _____

Attach this coversheet to the top of the material or jacket. I must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer: E. Oiguenblik

Phone: 347-0199 Division: AD

Date: _____

Created February 3, 2011



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Megan Pletka
Regulatory Consultant
Technology Science Group, Inc
1150 18th Street, Suite 1000
Washington DC 20036

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

APR 29 2014

Subject: Maquat® 86-M
Registration No.: 10324-85
Application Dated: November 26, 2013
EPA Receipt Date: November 26, 2013

Dear Ms. Pletka:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable.

- An amendment to update Analytical Enforcement Method.

Conclusions:

The enforcement analytical method is acceptable. The proposed amendment is acceptable.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703 347 0199) or Velma Noble at (703) 308-6233.

Sincerely,

A handwritten signature in black ink, appearing to read "V. Noble", written over a horizontal line.

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure: Chemistry Review

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency


Office of Pesticide Programs


Antimicrobials Division (AD)

April 24, 2014

MEMORANDUM

Subject: Product Chemistry Review for EPA Reg # 10324-85
Product name: Maquat® 86 - M
DP #417343

From: Juan F. Negrón, Chemist 
Product Science Branch, CT/Team
Antimicrobials Division (7510P)

Thru: Karen P. Hicks, CT Team Leader
Product Science Branch
Antimicrobials Division (7510P) 

To: Velma Noble / Emilia Oiguenblik.
PM Team 31

Company name: Mason Chemical Company

Action code: A570

Due date: 5/23/14

Product Formulation

Active Ingredient(s):

	% by wt.
Alkyl (50%C ₁₄ , 40%C ₁₂ , 10%C ₁₆)	
dimethyl benzyl ammonium chloride	0.034
Octyl decyl dimethyl ammonium chloride	0.026
Dioctyl dimethyl ammonium chloride	0.013
Didecyl dimethyl ammonium chloride	0.013

BACKGROUND:

The registrant, Mason Chemical Company, has submitted an amendment to update the enforcement analytical method. The Product Chemistry Reviewer has reviewed the following documents:

- A letter, dated 11/26/13 MRID # 49262900.
- A transmittal document, dated 11/26/13.
- A label dated 11/7/12.
- A certification with respect to citation of data, dated 11/26/13.
- An application for pesticide amendment, dated 11/26/13.
- Data matrix, dated 11/26/13.
- A study titled "Maquat® 86 - M Enforcement Analytical Method" dated 10/29/2013 MRID # 49262901.

FINDINGS:

1. The enforcement analytical method is a titration method. This method is to update the 40CFR 830.1800 Enforcement Analytical Method guideline.

CONCLUSIONS:

The enforcement analytical method is acceptable. The proposed amendment is acceptable.

Oiguenblik, Emilia

From: Negron, Juan
Sent: Wednesday, January 15, 2014 6:17 AM
To: Noble, Velma; Oiguenblik, Emilia
Cc: Hicks, Karen
Subject: 10324-(72, 80, 85); DP#s(417346, 417345, & 417343) Technical Screen.

Good morning! Please be advise that the submission have all the materials to conduct the product chemistry review. Therefore, the technical screen pass. This does not means that the product chemistry package is acceptable. It is possible that during the product chemistry review the reviewer might find some deficiencies. For any concern please let me know.

Juan Negron, chemist
US EPA / Antimicrobial Division / PSB / CTT - Product Chemistry
703-308-8116
Room S-8848
Mail Code 7510 P
2777 South Crystal Drive
Arlington, VA 22202

DATA PACKAGE BEAN SHEET

Date: 14-Jan-2014

Page 1 of 2

Decision #: 486430

DP #: (417343)

PRIA

Parent DP #:

Submission #: 944219

E-Sub #:

*** Registration Information ***

Registration: 10324-85 - MAQUAT 86-M

Company: 10324 - MASON CHEMICAL CO

Risk Manager: RM 31 - Velma Noble - (703) 308-6233 Room# PY1 S-8855

Risk Manager Reviewer: Emilia Oiguenblik EOIGUENB

Sent Date: 27-Nov-2013

PRIA Due Date: 23-May-2014

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (A570) AMENDMENT;NON-FAST TRACK;REQUIRING DATA REVIEW;

Ingredients: See page 2

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 14-Jan-2014

Due Back: _____

DP Ingredient: See page 2

DP Title: Chemistry review

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: AD / PSB

Last Possible Science Due Date: 23-Apr-2014

Team Name: CTT

Science Due Date: _____

Reviewer Name: _____

Sub Data Package Due Date: _____

Contractor Name: _____

*** Studies Sent for Review ***

No Studies

*** Additional Data Package for this Decision ***

No Additional Data Packages

*** Data Package Instructions ***

To update enforcement analytical method for Maquat 86-M

Attachments: Cover Letter, Data matrix, Data (MRID # 49262900)

Tech. screen 02/18/14



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1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number

Mason Chemical Company
721 W. Algonquin Rd.
Arlington Heights, IL 60005
847-290-1621

EPA Registration Number/File Symbol

10324-85

Active Ingredient(s) and/or representative test compound(s)

Octyl Decyl Dimethyl Ammonium Chloride, Didecyl Dimethyl Ammonium Chloride, Dioctyl Dimethyl Ammonium Chloride, Alkyl (C14, 50%, C12, 40%; C16, 10%) Dimethyl Denzyl Ammonium Chloride

Date

November 26, 2013

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)

Indoor

Product Name

MAQUAT® 86-M

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).



I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)



I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).



I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]



I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery, in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Megan E. Pletka

Date

11/26/13

Typed or Printed Name and Title

Megan E. Pletka
Regulatory Consultant

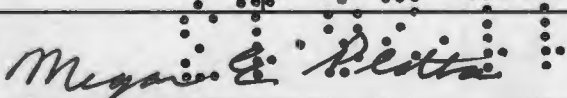


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401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date	11/26/13	EPA Reg No./File Symbol	10324-85	Page	1 of 8
Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Series 61/62	Product Chemistry	46945608	Mason Chemical Company	OWN	
Series 62/63	Product Chemistry	46945609	Mason Chemical Company	OWN	
Series 62	Physical and Chemical (Storage Stability)	46945605	Mason Chemical Company	OWN	
Series 63	Physical and Chemical (Physical state, pH, Density, Viscosity, Flammability)	46945606	Mason Chemical Company	OWN	
81-1	Acute Oral LD50	44406301	Mason Chemical Company	OWN	
81-2	Acute Dermal LD50	44406302	Mason Chemical Company	OWN	
81-3	Acute Inhalation	Cite All	Offer to Pay Previously Sent	Pay	
81-4	Acute Eye Irritation	44406303	Mason Chemical Company	OWN	
81-5	Acute Skin Irritation	44406304	Mason Chemical Company	OWN	
81-6	Dermal Sensitization	46945607	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Influenza A/Brazil (Maquat 5.5M, 10324-80)	44269004	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Herpesvirus Type 2 (Maquat 5.5M, 10324-80)	44269005	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Infectious Bovine Rhinotracheitis Virus (Maquat 5.5M, 10324-80)	44269006	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Pseudorabies Virus (Maquat 5.5M, 10324-80)	44269007	Mason Chemical Company	OWN	
91-2	Sanitizer Test for Inanimate Non-Food Contact Surfaces (Maquat 5.5M, 10324-80)	44269008	Mason Chemical Company	OWN	
Signature 			Name and Title		Date
			Megan E. Pletka, Regulatory Consultant		11/26/13



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Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Offer to Pay Previously Sent	Pay	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
Signature <i>Megan E. Pletka</i>			Name and Title	Date	
			Megan E. Pletka, Regulatory Consultant	11/26/13	



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Date	11/26/13	EPA Reg No./File Symbol	10324-85	Page	3 of 3
Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
91-2	Virucidal Activity against Avian Influenza/Turkey/Wisconsin (Maquat 5.5M, 10324-80)	44269009	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Herpesvirus Type 1 (Maquat 5.5M, 10324-80)	44269010	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Newcastle Disease Virus (Maquat 5.5M, 10324-80)	44269011	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Canine Distemper (Maquat 5.5M, 10324-80)	44269012	Mason Chemical Company	OWN	
91-2	Virucidal Efficacy against HIV-1 (Maquat 5.5M, 10324-80)	44230401	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution E. coli & S. marcescens (Maquat 5.5M, 10324-80)	44618701	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution E. coli 0157:H7 (Maquat 5.5M, 10324-80)	44509801	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution Campylobacter jejuni (Maquat 5.5M, 10324-80)	44361501	Mason Chemical Company	OWN	
91-2	Fungicidal Activity against Candida albicans (Maquat 5.5M, 10324-80)	44301501	Mason Chemical Company	OWN	
91-2	Fungicidal Activity against Trichophyton mentagrophytes (Maquat 5.5M, 10324-80)	44301502	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution against E. cloacae, P. aeruginosa, E. coli, K. pneumoniae, C. ammoniagenes and E. faecium (Maquat 5.5M, 10324-80)	44301503	Mason Chemical Company	OWN	
91-2	Virucidal efficacy against Transmissible Gastroenteritis (Maquat 7.5M, 10324-81)	45076202	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution Enterococcus faecalis, Salmonella typhi, Enterobacter aerogenes, P. mirabilis, Listeria m. Shigella dysenteriae and Staph. epidermidis (AR), Salmonella schottmuelleri (Maquat 5.5M, 10324-80)	44277801	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution S. sonnei, S. flexneri, P. vulgaris, Klebsiella p., Staph (MRSA), E. coli, S. marcescens (Maquat 5.5M, 10324-80)	44269002	Mason Chemical Company	OWN	
91-2	AOAC Use-Dilution Test against P. aeruginosa, Staph, Salmonella (Maquat 5.5M, 10324-80)	44269001	Mason Chemical Company	OWN	
Signature <i>Megan E. Pletka</i>			Name and Title Megan E. Pletka, Regulatory Consultant		Date 11/26/13



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Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
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			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
Signature	Name and Title			Date	
Megan E. Pletka	Megan E. Pletka, Regulatory Consultant			11/26/13	



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Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
91-2	Virucidal Efficacy against Porcine Respiratory & Reproductive Virus (Maquat 7.5M, 10324-81)	45171014	Mason Chemical Company	OWN	
91-2	Virucidal Activity against Vaccinia Virus (Maquat 5.5M, 10324-80)	44269003	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution Test against S. pyogenes (Maquat 5.5M, 10324-80)	44233202	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution (General or Broad Spectrum Efficacy) Salmonella choleraesuis, Staph (Maquat 5.5M, 10324-80)	44233201	Mason Chemical Company	OWN	
91-2	HBV (Maquat 615-HD, 10324-72)	45472101	Mason Chemical Company	OWN	
91-2	HBV Confirmatory (Maquat 615-HD, 10324-72)	45472102	Mason Chemical Company	OWN	
91-2	Aspergillus niger (Maquat 5.5M, 10324-80)	45719701	Mason Chemical Company	OWN	
91-2	Virucidal Effectiveness Test Using Hantavirus (Maquat 5.5M, 10324-80)	45783701	Mason Chemical Company	OWN	
91-2	AOAC Use-Dilution Method (Legionella pneumophila) (Maquat 5.5M, 10324-80)	45783702	Mason Chemical Company	OWN	
91-2	Virucidal Efficacy against Porcine Rotavirus (Maquat 7.5M, 10324-81)	45171015	Mason Chemical Company	OWN	
91-2	Confirmatory Virucidal Effectiveness Test using Bovine viral diarrhea virus (BVDV) (HCV) (Maquat 5.5M, 10324-80)	46117001	Mason Chemical Company	OWN	
91-2	Virucidal Effectiveness test using Bovine viral diarrhea virus (BVDV) (HCV) (Maquat 5.5M, 10324-80)	46117002	Mason Chemical Company	OWN	
91-2	Virucidal Efficacy: Human Coronavirus (Maquat 615-HD, 10324-72)	46107801	Mason Chemical Company	OWN	
91-2	Virucidal Efficacy: Canine Coronavirus (Maquat 615-HD, 10324-72)	46107802	Mason Chemical Company	OWN	
91-2	AOAC Use-Dilution (Vibrio cholerae)	46945603	Mason Chemical Company	OWN	
Signature <i>Megan E. Pletka</i>			Name and Title Megan E. Pletka, Regulatory Consultant		Date 11/26/13



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Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
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			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
Signature			Name and Title		Date
Megan E. Pletka			Megan E. Pletka, Regulatory Consultant		11/26/13



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DATA MATRIX

Date	11/26/13	EPA Reg No./File Symbol	10324-85	Page	7 of 8
Applicant's/Registrant's Name & Address		Label Product Name			
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005		Maquat 86-M			
Ingredient 069105, 069149, 069165 and 069166					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
91-2	AOAC Use-Dilution (<i>Burkholderia cepacia</i>)	46945604	Mason Chemical Company	OWN	
91-2	AOAC Use Dilution (<i>Enterobacteriaceae</i> with extended beta-lactamase resistance) (Maquat 615-HD, 10324-72)	46945601	Mason Chemical Company	OWN	
91-2	Virucidal Efficacy: Respiratory syncytial virus (Maquat 615-HD, 10324-72)	46945602	Mason Chemical Company	OWN	
91-2	AOAC Germicidal Spray (CA MRSA)	47691101	Mason Chemical Company	OWN	
91-2	Sensitizer Test Immersion Non-Food contact Surfaces: Staph & <i>Enterobacter aerogenes</i> (Maquat 615-HD, 10324-72)	44118707	Mason Chemical Company	OWN	
91-2	Fungicidal Use-Dilution: <i>Dactylium dendroides</i> (Maquat 615-HD, 10324-72)	46107803	Mason Chemical Company	OWN	
91-2	Virucidal efficacy (Influenza A (H1N1)) (Maquat 615-HD, 10324-72)	47874902	Mason Chemical Company	OWN	
91-2	Virucidal efficacy (Avian Influenza (H5N1)) (Maquat 615-HD, 10324-72)	47874903	Mason Chemical Company	OWN	
158.180	Enforcement Analytical Method	TBA	Mason Chemical Company	OWN	
Signature <i>Megan E. Pletka</i>			Name and Title Megan E. Pletka, Regulatory Consultant		Date 11/26/13



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date 11/26/13 EPA Reg No./File Symbol 10324-85 Page 8 of 8

Applicant's/Registrant's Name & Address Label Product Name
Mason Chemical Company, 721 W. Algonquin Rd., Arlington Heights, IL 60005 Maquat 86-M

Ingredient 069105, 069149, 069165 and 069166

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	
			Mason Chemical Company	OWN	

Signature *Megan E. Pletka* Name and Title Megan E. Pletka, Regulatory Consultant Date 11/26/13

Fee for Service

W
{9442194~

This package includes the following

- ☐ New Registration
- ☒ Amendment

☒ Studies? ☐ Fee Waiver?
☐ volpay % Reduction: _____

for Division

- ☒ AD
- ☐ BPPD
- ☐ RD

Risk Mgr. **31**

Receipt No.

S- **944219**

EPA File Symbol/Reg. No.

10324-85

Pin-Punch Date:

11/26/2013

☐ This item is NOT subject to FFS action.

Action Code:

Requested: **A570**

Granted: **A 570**

Amount Due: \$ **3,648**

Parent/Child Decisions:

☐ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: Team 4

Date: 12/19/13

Remarks:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JUN 2 2009

Ms. Elizabeth Tannehill
Mason Chemical, Inc
721 W. Algonquin Rd
Arlington Heights, IL 60005

Subject: Maquat 86-M
EPA Registration No.: 10324-85
Amendment Date: February 23, 2009
EPA Receipt Date: March 4, 2009

Dear Ms. Tannehill,

The following amendment submitted in connection with registration under FIFRA, as amended, is acceptable.

- Add inert ingredients to Alternate Formulations Brillo-CS and 5-36

General Comments

The Confidential Statements of Formulas for alternate formulas Brillo-CS, 5-36 dated October 28, 2008 are acceptable. They are in compliance with PR Notice 91-2 and in agreement with the label.

Please Note: The fragrances, [REDACTED] were removed from your CSF per your request since they were not cleared for use in pesticide formulations

Should you have any questions or comments concerning this letter, please contact Jacqueline McFarlane at (703) 308-6416 or Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)

CONCURRENCES
Regulatory Management Branch I
Antimicrobials Division (7510P)

SYMBOL							
SURNAME							
DATE							

85

Inert ingredient information may be entitled to confidential treatment



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JUN 2 2009

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Mason Chemical, Inc
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Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510P)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION,
PESTICIDES
AND TOXIC
SUBSTANCES

April 27, 2009

DP BARCODE:

D 363122

MRID:

none

SUBJECT:

Maquat 86-M

REG. NO. OR FILE SYMBOL:

10324-85

DOCUMENT TYPE:

Product Chemistry Review

Manufacturing-use ☐

OR

End-use Product ☒

INGREDIENTS (PC Codes)

Octyl decyl dimethyl ammonium chloride (069165)
Didecyl dimethyl ammonium chloride (069149)
Dioctyl dimethyl ammonium chloride (069166)
Alkyl (C₁₄ 50%, C₁₂ 40%, C₁₆ 10%)
dimethyl benzyl ammonium chloride (069105)

CAS Number:

32426-11-2, 7173-51-5, 5538-94-3, 68424-85-1

TEST LAB:

not applicable

SUBMITTER:

Mason Chemical Company

GUIDELINE:

not applicable

REVIEWER:

Alex Traska

ORGANIZATION:

AD

APPROVER:

Karen P. Hicks

APPROVED DATE:

4/30/09

COMMENT:

Amendment



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION,
PESTICIDES
AND TOXIC
SUBSTANCES

April 27, 2008

MEMORANDUM

Subject: Review of EPA Reg. No. 10324-85

From: Alexander W. Traska, Chemist
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

RT 4/27/2009

Thru: Karen P. Hicks, CT Team Leader
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

A handwritten signature in black ink, appearing to be "K. Hicks", written over the "Thru:" line.

Thru: Michele E. Wingfield, Chief
Product Science Branch
Antimicrobials Division (7510P)

To: Velma Noble PM #31
Regulatory Management Branch
Antimicrobials Division (7510P)

Applicant: Mason Chemical Company
Action Code: (362) Formula Change; Technical
Due out date: 02 June 2009

Formulation from Maquat 86-M label

<u>Active Ingredient(s)</u>	<u>.....% by wt.</u>
Octyl decyl dimethyl ammonium chloride.....	0.026
Didecyl dimethyl ammonium chloride.....	0.013
Diocetyl dimethyl ammonium chloride.....	0.013
Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride.....	0.034
<u>Other Ingredients</u>	99.914
Total	100.000

BACKGROUND:

This amendment, covering the subject disinfectant, cleaner, sanitizer, fungicide and virucide, was submitted by the registrant, Mason Chemical Company.

The registrant, in this amendment, has requested approval to add alternate inert ingredients to Alternate Formulations #5 thorough #36 plus Alternate Formulation Brillo-CS all dated 10/28/2008 under the **Maquat 86-M** registration. It should be noted that the subject alternate formulations are currently active and are being revised to the expanded use of alternate chelating agents, surfactants, dyes and fragrances in the aforementioned formulations.

The following documents were submitted and examined in the chemistry review of this submission: registrant's cover letter dated February 23, 2009, pesticide application covering this amendment dated 2/23/09, product label for **Maquat 86-M** February 21, 2007, revised Alternate Formulations #5 thorough #36 plus Alternate Formulation Brillo-CS all dated 10/28/2008 with a 11 page "master list" CSF addendum (pages 2 of 12), dated 10/28/08, listing the additional alternate inert ingredients. Also provided was a 2 page list, dated 10/28/08, showing the new alternate chelating agents, surfactants, dyes and fragrances being added to the subject formulations.

FINDINGS:

1. The requirements of PR Notice 91-2 were satisfied. The nominal concentration of the active ingredients, given in the proposed revised Alternate Formulations #5 thorough #36 plus Alternate Formulation Brillo-CS all dated 10/28/08, agreed with the percentages declared on the product label.

2. The upper and lower certified limits for the active and inert ingredients were acceptable.

3. The active ingredient sources utilized are EPA registered.

4. The inert ingredients listed in the 10/28/08 CSF addendum to be utilized in the newly revised Alternate Formulations #5 thorough #36 plus Alternate Formulation Brillo-CS all dated 10/28/2008, are acceptable for use in pesticide formulations. **See Confidential Appendix.** All inert ingredients listed in the 10/28/08 CSF addendum that were identified with a prior approval date by the registrant were not verified by the reviewer of this amendment.

5. The proposed revised Alternate Formulations #5 thorough #36 plus Alternate Formulation Brillo-CS, all dated 10/28/08, are accepted.

III CONCLUSIONS

This amendment, which requested approval to add additional inert ingredient options to Alternate Formulations #5 thorough #36 and Alternate Formulation Brillo-CS under the **Maquat 86-M** registration, is accepted.

Appendix Covering Confidential Business Information (CBI)

DP # 363122

EPA Reg. No. 10324-85

Product Name: Maquat 86-M

Findings:

4. The proposed new Alternate Formula # Brillo-CS initially contained [REDACTED]
[REDACTED] These fragrances were not in Agency's inert database and as a consequence, the registrant requested to have these fragrances deleted from the subject formulation.



MASON CHEMICAL COMPANY

"The Quaternary Specialists"

February 23, 2009

Velma Noble
Document Processing Desk (AMEND)
Office of Pesticide Programs (7510P), PM31
U.S. Environmental Protection Agency
Room S4900, One Potomac Yard
2777 S. Crystal Dr.
Arlington, VA 22202

Subject: Maquat® 5.5M (10324-80), Maquat® 86-M [REDACTED] and Maquat® 615-HD (10324-72)
Amendment for alternate ingredients and csfs

Dear Velma,

Enclosed are the following:

1. Application/Amendment form – for 3 products (Maquat® 5.5M (10324-80), Maquat® 86-M (10324-85), and Maquat® 615-HD (10324-72))
2. One (1) copy of all of the csfs this amendment pertains to including the following:

<u>Label Number</u>	<u>Label Name</u>	<u>CSF numbers</u>
10324-80	Maquat 5.5-M	2, 3, 6, 7, 10-13
10324-72	Maquat 615-HD	1-8
10324-85	Maquat 86-M	Brillo-CS, 5-36
3. One (1) copy of new alternate ingredients to be added to all approved csfs for these labels.
4. One (1) copy of Master alternate ingredient list. **Please note:** This list includes the new ingredients being requested to be added, as well as all of the old ingredients previously approved in older reviews. This addendum should be used with every csf being submitted.

We are **adding alternate ingredients** as requested by our customers to the addendum to the csfs for Maquat® 5.5M (10324-80), Maquat® 86-M (10324-85) and Maquat® 615-HD (10324-72). No other changes are being made to any of the csfs.

In addition, we are also submitted several **new alternate csfs** including the following:

<u>Label Number</u>	<u>Label Name</u>	<u>Newly submitted CSF numbers</u>
10324-80	Maquat 5.5M	10-13
10324-72	Maquat 615-HD	3, 5-7

We are adding alternate csfs for Maquat® 615-HD, 10324-72 and increasing the dye and fragrance certified limits per a customer request. We are adding alternate csfs for Maquat® 5.5-M, 10324-80 and are alternating the active between 50% and 80%.

All ingredients have been previously approved on other labels or have been submitted for approval on Maquat 86-M (10324-85) (10324-85 submitted for approval 10/10/08). However, if you find any ingredients not approved, please let us know **before** the review is complete and we will remove them.

Below is a list of all csfs this action applies to, along with the old approval date of these csfs. This is to replace the need to send in the actual older csfs, per our discussion on 2/19/09. All csfs being submitted with this letter are replacing the older ones on this list.

<u>EPA Reg. No.</u>	<u>CSF #</u>	<u>Old Approval Date</u>	<u>New CSF Date</u>	<u>EPA Reg. No.</u>	<u>CSF #</u>	<u>Old Approval Date</u>	<u>New CSF Date</u>
10324-80	2	11/30/06	10/28/08	10324-85	16	10/4/06	10/28/08
10324-80	3	11/30/06	10/28/08	10324-85	17	10/4/06	10/28/08
10324-80	6	11/30/06	10/28/08	10324-85	18	10/4/06	10/28/08
10324-80	7	11/30/06	10/28/08	10324-85	19	2/19/08	10/28/08
10324-72	1	10/4/07	10/28/08	10324-85	20	10/4/06	10/28/08
10324-72	2	10/4/07	10/28/08	10324-85	21	10/19/06	10/28/08
10324-72	4	10/4/07	10/28/08	10324-85	22	2/19/08	10/28/08
10324-72	8	10/4/07	10/28/08	10324-85	23	2/19/08	10/28/08
10324-85	2	2/19/08	10/28/08	10324-85	24	2/15/07	10/28/08

EPA Reg. No.	CSF #	Old Approval Date	New CSF Date	EPA Reg. No.	CSF #	Old Approval Date	New CSF Date
10324-85	3	2/19/08	10/28/08	10324-85	25	2/15/07	10/28/08
10324-85	4	9/30/03	10/28/08	10324-85	26	2/15/07	10/28/08
10324-85	5	5/29/08	10/28/08	10324-85	27	2/19/08	10/28/08
10324-85	6	2/19/08	10/28/08	10324-85	28	2/19/08	10/28/08
10324-85	7	2/19/08	10/28/08	10324-85	29	2/19/08	10/28/08
10324-85	8	10/4/06	10/28/08	10324-85	30	2/15/07	10/28/08
10324-85	9	10/4/06	10/28/08	10324-85	31	2/19/08	10/28/08
10324-85	10	2/19/08	10/28/08	10324-85	32	2/15/07	10/28/08
10324-85	11	2/19/08	10/28/08	10324-85	33	2/15/07	10/28/08
10324-85	12	2/19/08	10/28/08	10324-85	34	2/19/08	10/28/08
10324-85	13	2/19/08	10/28/08	10324-85	35	2/19/08	10/28/08
10324-85	14	2/19/08	10/28/08	10324-85	36	2/15/07	10/28/08
10324-85	15	10/4/06	10/28/08	10324-85	Billo-CS	9/30/03	10/28/08

Per our initial submission letter dated 10/6/08, we are adding alternate ingredients as requested by our customers to the addendum to the csf's for Maquat® 5.5M (10324-80), Maquat® 86-M (10324-85) and Maquat® 615-HD (10324-72).

Per your letter dated 1/29/09, there were several ingredients that were reviewed and not found as approved. However, ALL of the ingredients have either been previously approved or were submitted directly to Juan Negron (as per his instruction) in 2008. We are addressing these ingredients in this letter and are requesting they be approved for these csfs. We also believe we have complied with the EPA's call for chemical information data on all new inert ingredients by previously submitting all of these for prior approval and are therefore, requesting these ingredients remain on our master list.

Surfactants

[REDACTED]

Fragrances

[REDACTED]

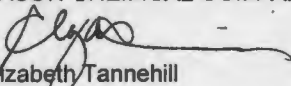
These are the ONLY changes/additions being made at this time.

Though it was obvious several different reviewers participated in these three label csfs' reviews, we are requesting that only one – Juan Negron – be allowed to review our csfs as we have been working with him for the last year to get all of our ingredients approved and believe that having one reviewer will allow our csfs to be reviewed in a consistent manner.

If you have any questions or need any further information, please do not hesitate to contact me at (800) 362-1855 or liz@maquat.com. Your prompt attention to this matter is most appreciated.

Very truly yours,

MASON CHEMICAL COMPANY



Elizabeth Tannehill

Enclosures



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat 86-M	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Ma Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

To add additional alternate ingredients for cs's.

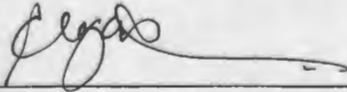
This is NOT a PRIA amendment and does not require a fee.

Contact Information: Elizabeth (Liz) Tannehill, liz@maquat.com fax number 847-290-1625 voice number 847-290-1621

Section - III

1. Material This Product Will Be Packaged In:				
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container
2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____				
3. Location of Net Contents Information		4. Size(s) Retail Container		5. Location of Label Directions
<input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		1 pt., 1 qt., 1 gal., 5 gal.		<input checked="" type="checkbox"/> On label
6. Manner in Which Label is Affixed to Product		<input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input type="checkbox"/> Other _____		

Section - IV

1. Contact Point <i>(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</i>		
Name Elizabeth Tannehill	Title Regulatory Manager	Telephone No. (Include Area Code) 847-290-1621
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Elizabeth Tannehill	5. Date 02/23/09	94



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-72	2. EPA Product Manager Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat 615-HD	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 10324-80, 10324-85 Product Name Maquat 5.5M, Maquat 86-M	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Addition of alternate csfs (# 3, 5, 6 & 7). Addition of alternate ingredients and suppliers.

This is NOT a PRIA action. Therefore, no fee is required.

Contact Information: Elizabeth (Liz) Tannehill, liz@maquat.com fax number 847-290-1625 voice number 847-290-1621

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1 qt., 1 gal., 5 gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper, glued <input checked="" type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Elizabeth Tannehill		Title Regulatory Manager		Telephone No. (Include Area Code) 847-290-1621	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.					6. Date Application Received (Stamped) 95
2. Signature 		3. Title Regulatory Manager			
4. Typed Name Elizabeth Tannehill		5. Date 02/23/09			

Receipt for Section 3

S: 845912

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☐ Yes ☒ No

Application Type: Amendment

Billable: ☐ Yes ☒ No


Company: 10324 MASON CHEMICAL CO. V


Risk Manager: Antimicrobials Division, Risk Management Team 31


Product #: 10324-85 Product Name: MAQUAT 86-M


Overlaid?

Me Too Section3: Me Too Product Name:

Application Date: 24-Feb-2009 

OPP Rec'd Date: 04-Mar-2009 

Front End Date: 05-Mar-2009 

Risk Manager Send Date: 05-Mar-2009 

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐ New Ingredient: ☐

Receipt Description:

CSF amendment

Form A: ☐ Signature Date:

Form B: ☐ Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Des

CSF

View/Edit

New Ingredient Request Date:

New Ingredient Received Date:

Signature Date:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

March 5, 2009

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

CK MASON

MASON CHEMICAL CO
721 W ALGONQUIN RD
ARLINGTON HEIGHTS, IL 60005

PRODUCT NAME: MAQUAT 86-M
COMPANY NAME: MASON CHEMICAL CO
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 10324-85
EPA RECEIPT DATE: 03/04/09

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Antimicrobials Division, Risk Management Team 31, at (703) 308-6233.

Sincerely,

A handwritten signature in cursive script, appearing to read "A. K. Thorne", is positioned above the typed name and title.

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

Fee for Service

^{sem} 845912(~)

This package includes the following

- ☐ New Registration
- ☐ Amendment

Studies? Fee Waiver?
volpay % Reduction: _____

for Division

- ☒ AD
- ☐ BPPD
- ☐ RD

Risk Mgr. 31

Receipt No.

S-

845912

EPA File Symbol/Reg. No.

10324-85

Pin-Punch Date:

3/4/2009

☒ This item is NOT subject to FFS action.

Action Code:

Requested:

Granted:

Amount Due: \$ _____

Parent/Child Decisions:

☐ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer:

Mail Code Team #3

Date:

3/4/09

Remarks:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

JAN 15 2010

Elizabeth Tannehill
Regulatory Manager
Mason Chemical Company
721 W. Algonquin Rd.
Arlington heights, IL 60005

Subject: Maquat 86-M
EPA Reg. No. 10324-85
Application Dated: Dec 14, 2009
Receipt Date: Dec 16, 2009

Dear Elizabeth Tannehill

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9. is acceptable.

Proposed Amendment

Adding 2009 H1N1 Marketing Claims

Comments

Based on a review of the material submitted, the following comments apply:
This application for notification to add 2009 H1N1 Marketing Claims is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch1
Antimicrobial Division (7510P)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

99

TASK ASSIGNMENT FORM

Antimicrobi

vision/Regulatory Manage

it Branches

Contractor: Arctic Slope Corporation	Contract No: EP-W-052 TO#122	TOPO: Kennetta Calloway / 703-305-0066 Alternate: Wanda Hall / 703-308-6383
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A COMPLETED BY AD TEAM LEADER

Team Leader / Phone Number: Velma Noble 308-6233		AD Contact / Phone Number: Jacquie Mcfarlane 308-6416		RMB I TEAM: X		RMB II TEAM:	
Decision No. 425636			Submission No.: 865117			EPA File Symbol/Reg No.: 10324-85	
PRIA Fee: \$0			EPA Action Code: 332			Estimated Govt. Hours: 4	
FQPA (Registration) <input checked="" type="checkbox"/> x			Non-FQPA <input type="checkbox"/>			Product Re-registration <input type="checkbox"/>	
PRIA <input type="checkbox"/>	ME-TOO <input type="checkbox"/>	New Use <input type="checkbox"/>	Old Chemical <input type="checkbox"/>		New Chemical <input type="checkbox"/>	Amend w/data <input type="checkbox"/>	
			MONTH	DAY	YEAR		
APPLICATION DATE			12	14	2010		
EPA PIN DATE			12	16	2010		
DATE PM RECEIVED FROM FRONT END					2010		
DATE SENT TO SCIENCE					2010		
DATE RECEIVED FROM SCIENCE							
NEGOTIATED DUE DATE							
DATE DUE OUT OF AGENCY			1	15	2010		
DUE DATE FROM CONTRACTOR			1	13	2010		
PSB	Product Chemistry <input type="checkbox"/> Acute Toxicology <input type="checkbox"/> Efficacy <input type="checkbox"/>						
RASSB	Environmental Fate <input type="checkbox"/> Ecological Effects <input type="checkbox"/> Chronic Toxicology <input type="checkbox"/> Exposure/Residue <input type="checkbox"/>						
ATTACHMENTS	LABELING CSF(S) <input type="checkbox"/> DATA <input type="checkbox"/> OTHERS <input type="checkbox"/>						

AD Comments: Please provide hard and/or electronic copies of deliverable(s) as directed. Level 2 or 3 Contractor Notification – Prepare letter, review label, pull jacket

B COMPLETED BY AD TOPO

TAF Action Number: KC-763 KAC 1/19/10			
GPRA G/O/S:	TOPO Initials: KAC	Date Received: 1/7/10	Date Sent To ARSC: 1/7/10

C COMPLETED BY ARSC TASK ORDER MANAGER (TOM)

Date Received: 1-8-10	TOM Initials: DA	Date Completed: 1-15-10	Response Code:	Response Date:	Hours to Complete: 3
ARSC Principal Reviewer: D. Armstrong					
ARSC Comments: Checked w/ to Clertis					

TASK ASSIGNMENT FORM

Antimicrobia Division/Regulatory Manager. At Branches

Contractor: Arctic Slope Corporation	Contract No: EP-W-052 TO#122	TOPO: Kennetta Calloway / 703-305-0066 Alternate: Wanda Hall / 703-308-6383
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		New Chemical <input type="checkbox"/>	Amend w/data <input type="checkbox"/>
		MONTH	DAY
		YEAR	
APPLICATION DATE		12	14
EPA PIN DATE		12	16
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RASSB	Environmental Fate <input type="checkbox"/> Ecological Effects <input type="checkbox"/> Chronic Toxicology <input type="checkbox"/> Exposure/Residue <input type="checkbox"/>		
ATTACHMENTS	LABELING CSF(S) <input type="checkbox"/> DATA <input type="checkbox"/> OTHERS <input type="checkbox"/>		

AD Comments: Please provide hard and/or electronic copies of deliverable(s) as directed. Level 2 or 3 Contractor Notification – Prepare letter, review label, pull jacket

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TAF Action Number:			
GPRA G/O/S:	TOPO Initials:	Date Received:	Date Sent To ARSC:

C COMPLETED BY ARSC TASK ORDER MANAGER (TOM)

Date Received:	TOM Initials:	Date Completed:	Response Code:	Response Date:	Hours to Complete:
ARSC Principal Reviewer:					
ARSC Comments:					

DRAFT

Elizabeth Tannehill
Regulatory Manager
Mason Chemical Company
721 W. Algonquin Rd.
Arlington heights, IL 60005

Subject: Maquat 86-M
EPA Reg. No. 10324-85
Application Dated: Dec 14, 2009
Receipt Date: Dec 16, 2009

Dear Elizabeth Tannehill

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9. is acceptable.

Proposed Amendment

Adding 2009 H1N1 Marketing Claims

Comments

Based on a review of the material submitted, the following comments apply:
This application for notification to add 2009 H1N1 Marketing Claims is acceptable. A copy has been placed in our records for future reference.

Should you have any questions or comments concerning this letter, please contact Velma Noble at (703) 308-6233.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch1
Antimicrobial Division (7510P)



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10324-85	2. EPA Product Manager Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Maquat 86-M	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 10324-72, 10324-80 Product Name Maquat 615-HD, Maquat 5.5M	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

We are adding H1N1 language per the EPA guidelines recently released.

This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

We feel this is a Notification and requires no fee payment. We understand the EPA will contact us with payment information, if needed, upon receipt of application.

Contact information: Elizabeth (Liz) Tannehill, liz@maquat.com voice number 847-290-1621 fax number 847-290-1625

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 1 pt., 1 qt., 1 gal., 5 gal., 55 gal.	5. Location of Label Directions <input checked="" type="checkbox"/> On label
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled	<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Elizabeth Tannehill	Title Regulatory Manager	Telephone No. (Include Area Code) 847-290-1621
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received
(Stamped)

2. Signature 	3. Title Regulatory Manager
4. Typed Name Elizabeth Tannehill	5. Date 12/14/09

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MASON CHEMICAL COMPANY
"The Quaternary Specialists"

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

E.P.A. Reg. No. 10324-85

E.P.A. Est. No. 10324-IL-1

MAQUAT® 86-M

Net Contents:

Batch No:

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

(If container is 5 gallons or larger the following statement must appear on the label.)

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and freshwater aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

Do not mix with oxidizers, anionic soaps and detergents.

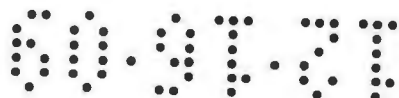
First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.



Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (non-food contact surfaces), Virucide*, Deodorizer for Hospitals, Nursing Homes, Whirlpools, Home, Hotels & Motels, Waterbed Conditioner, Institutional, Industrial, Schools, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Small Fly Ovicidal Treatment.

Athletic Surface Disinfectant.

Non-Acid Bathroom Cleaner.

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation.

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride0.026%

Didecyl Dimethyl Ammonium Chloride0.013%

Dioctyl Dimethyl Ammonium Chloride0.013%

Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%)

dimethyl benzyl ammonium chloride0.034%

INERT INGREDIENTS: 99.914%

TOTAL 100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See left (back) (side) (right) panel (of label) (below) for additional precautionary statements and first aid statements.

(Note to Reviewer: This information has been verified per DOT regulations. It is NOT required to / on the label but is being requested by a customer.)

TRANSPORTATION INFORMATION

DOT Hazard Class: Non-Corrosive

DOT Proper Shipping Name: Non-Corrosive

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

DANGER: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.

(Note to reviewer: The Table of Contents will not be on any label. This is for our customer's reference only. The page numbers will change as the label changes.)

Table of Contents

Description	Page No.
Organism Guide	2
Marketing Claims	3
Use Directions	
General	7
Hospital/Healthcare	
Disinfection	9
Non-Food Contact Sanitization	10
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Disinfection	10
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Barber/Salon	
Disinfection	15
Non-Food Contact Sanitization	16
Restroom/Bathroom	
Disinfection	16
Fungicidal/Deodorization/Mold & Mildew	17
Other	
Disinfection	19
Non-Food Contact Sanitization	20

ORGANISM LIST

(Note: For reference use only. This is a list of all organisms covered by this label. Please see appropriate Directions for Use for proper use dilution.)

DISINFECTION IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) and NON-MEDICAL FACILITIES (Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against:

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli 0157:H7
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)

Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei
Staphylococcus aureus (ATCC 6538)
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA MRSA)
Staphylococcus aureus (Methicillin resistant) (MRSA) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces:

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Hantavirus
Herpes Simplex Type1 (ATCC VR260)
Herpes Simplex Type2 (ATCC VR734)
HIV-1 (AIDS virus)
Hepatitis C virus
Hepatitis B virus
Human Coronavirus
Influenza A/Brazil Virus
Respiratory syncytial virus
Vaccinia virus

ANIMAL VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces:

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Canine Coronavirus
Canine Distemper
Infectious Bovine Rhinotracheitis virus (IBR) (ATCC VR188)
Newcastle disease virus (ATCC VR109)
Porcine Respiratory & Reproductive Virus (PRRSV)
Porcine Rotavirus
Pseudorabies virus (ATCC VR135)
Transmissible Gastroenteritis (TGE)

FUNGICIDAL PERFORMANCE: This product is effective on hard, non-poro. surfaces against the following organisms:

Candida albicans
Aspergillus niger
Trichophyton mentagrophytes

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective sanitizer on hard, non-porous environmental surfaces against the following organisms.

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

MARKETING CLAIMS

Maquat® 86-M for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms, radiology rooms, isolation wards, hospices, and medical research facilities, hospices.
- Patient care rooms & facilities, recovery rooms, anesthesia, Emergency Rooms, X-ray cat labs, exam rooms, newborn nurseries, neonatal units, orthopedics, whirlpool surfaces, footbath surfaces, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- EMS & fire facilities, emergency vehicles, ambulance(s), ambulance equipment/surfaces, carts, gurneys, stretchers, police cars, fire trucks.
- Day care centers and nurseries, sick rooms, elder care centers, baby cribs, kindergartens, and preschools.
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Life care retirement communities.
- Restaurants, restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes and funeral homes, morgues, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, prisons, jails, municipal government buildings, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals, maintenance vehicles, and maintenance equipment.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, shower stalls, bathrooms, shower and bath areas.
- Hotel, motels, dormitories.
- Kitchens, bathrooms and other household areas.
- Homes (households), condos, apartments, vacation cottages, summer homes.
- Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, exercise equipment, gyms, gymnasiums, fieldhouses.
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities, warehouses.

- Health clubs, spas, tanning salons, tanning spas, tanning beds, tanning equipment, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, tattoo parlors.
- Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses, bowling alleys.
- Recycling centers.
- Humidifier water tanks.
- Campgrounds, playgrounds, playground equipment, recreational facilities, picnic facilities, sports arenas, sports complexes.
- Food processing plants, USDA inspected food-processing facilities, dairy farms, hog farms, equine farms, poultry and turkey farms and egg processing plants, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms, rendering plants, canneries, caterers, bakeries, meat packing plants, hide and leather processing plants.
- Processing facilities for Fish, Milk, Citrus, Wine, Fruit, Vegetable, Ice Cream, and Potatoes and beverage plants.
- Tobacco plant premise and equipment.
- Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, animal breeding facilities, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, equine farms, pet shops, tack shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities.
- Farmhouses, barns, sheds, tool sheds, barns, cattle barns, swine barns, sheep barns, horse barns, brooder houses.
- Household and automotive garages, boats, ships, barges, watercraft, campers, RV's, trailers, mobile homes, cars, automobiles, automobile interiors, trucks, delivery trucks, boxcars, tankers, tank trucks, buses, trains, taxis, helicopters and airplanes.
- Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.
- Commercial florist and flower shops.
- Basements, cellars, bedrooms, attics, living rooms, and porches.

This product can be used on washable, hard, non-porous surfaces such as:

- Food preparation and storage areas.
- Kitchen equipment such as trash compactors.
- Countertops (counters), countertop laminates, stovetops (stoves), sinks (bathroom, kitchen), tub surfaces, non-food contact surfaces of Slurppy® machines, and exterior surfaces of appliances, refrigerators, microwave ovens and ice machines.
- Hospital beds, bed railings, bedpans, gurneys, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, cervical collars, neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, slit lamps, operating room lights, operating tables, oxygen hoods, dental chairs/ countertops, examination tables, X-ray tables, washing areas.
- Ultrasonic baths, whirlpools, whirlpool bathtubs.
- Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/incubators/care equipment, folding tables, hampers, laundry pails.

- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures.
- Glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed ceramic, sealed granite, sealed marble, plastic (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, Plexiglass®, vanity tops.
- Tables, chairs, desks, folding tables, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans, trash barrels, trash cans, trash containers, cuspidors and spittoons.
- Enameled surfaces, painted woodwork (finished), Formica®, vinyl and plastic upholstery, washable wallpaper.
- Foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning, refrigeration equipment and heat pumps.
- Large, inflatable, non-porous plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment.
- Hard, non-porous surfaces of picnic tables and outdoor furniture or Non-wooden Picnic tables and outdoor furniture except cushions and wood frames. (Note: Only one statement will be used on label.)
- Telephones and telephone booths.
- External Lenses Vision correction including eyeglasses (not for use on contact lenses), protective eyewear, goggles, light lens covers, optical instruments/implements.
- Hair clippers, cutting implements, plastic rollers, washable nail files.
- Hard hats, headphones.
- Kennels, kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, x-ray tables.
- Hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, vans and trash containers, seed houses.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables.
- Crypton barrier fabric.
- Drinking fountains.

This product contains no phosphorous.

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product is an economical (ready to use) solution that can be used with a mop and bucket, trigger sprayers, or sponge.

This product can be applied through foaming apparatus, low-pressure sprayers, and fogging (wet misting) systems. Follow manufacturers' instructions when using this equipment.

Use this product on the multi-touch surfaces responsible for cross-contamination.

This product is for use as a disinfectant on hard, non-porous surfaces. A potable water rinse is required after application on food contact surfaces.

This is a proven one-step disinfectant, cleaner, sanitizer, fungicide, mildewstat, and virucide*.

This product meets AOAC efficacy standards for hard surface, non-food contact sanitizers.

This product is an effective one-step (ready-to-use) sanitizer-cleaner for use on non-food contact surfaces.

One-step cleaner.

Cleans and shines.

Antibacterial.

This product delivers non-acid disinfection performance in an economical, ready to use solution.

Cross-contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

Efficacy tests have demonstrated that this product is an effective bactericide, virucide and fungicide in the presence of organic soil (5% blood serum).

Effective sanitizer in the presence of 5% serum contamination. (This product is an effective disinfectant/sanitizer in the presence of 5% serum contamination.)

Effective sanitizer in the presence of soils. (This product is an effective sanitizer in the presence of soils.)

This product is for use in kitchens, bathrooms, and other household areas.

This product is a multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.

This product can be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes. Will not harm most surfaces.

Will not harm most surfaces. For a cleaner, fresher household. Removes stains. Removes dirt. Non-staining. Clear formula.

Disinfects (and Sanitizes) kitchen surfaces (bathroom surfaces and floors). Sanitizes non-food contact kitchen surfaces (bathroom surfaces and floors). Kills germs. Kills household bacteria. A potable water rinse is required after application on food contact surfaces.

Kills common kitchen (bathroom) bacteria (and viruses*).

This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

This product (formulation) is a one step (ready to use) (hospital use) disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will inhibit the growth of mold and mildew and their odors when used as directed.

For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

Will not cause swelling of transducer membrane or harm compressor plates.

This product is a (versatile sanitizer and) broad-spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

This product is a versatile cleaner, sanitizer and broad-spectrum disinfectant formulated for use on bath and therapy equipment (Whirlpools).

Kill Avian Influenza A on pre-cleaned environmental surfaces.

This product is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1, HCV & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

*Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by influenza A virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (influenza A virus tested and listed on the label) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

*This product has demonstrated effectiveness against influenza A virus and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 influenza A virus.

*This product has demonstrated effectiveness against (influenza A virus tested and listed on the label) and is expected to inactivate all influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

*Kills Pandemic 2009 H1N1 influenza A virus (formerly called swine flu).

*Kills Pandemic 2009 H1N1 influenza A virus.

Hospital use Disinfectant. Institutional Disinfectant (Sanitizer).

This product meets AOAC Use – Dilution Test Standards for hospital disinfectants.

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing (*Duck*) Hepatitis B Virus.

This product has passed the Virucidal Effectiveness Test using Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Human (and Canine) Coronavirus.

This product is a one-step (ready-to-use) (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous environmental surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, body oils, dead skin, blood and other organic matter commonly found in hospitals (and) (in health care facilities) (on medical surfaces), nursing homes, schools and colleges, (day care centers), (medical) offices, funeral homes, veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, foodservice establishments (restaurants) and federally inspected meat and poultry establishments (food [processing] plants). It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes (hard, non-porous environmental hospital (medical) surfaces) in a one step ready-to-use formula (with no rinsing required). Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, toilet bowls, urinals, sinks found in (health care facilities [hospitals]), patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. It can also be used to pre-clean and disinfect (hospital

items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces, food establishments, (restaurants), (commercial kitchens) & restrooms) any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes, utensils, or interior surfaces of appliances.

This product is a disinfectant and non-food contact sanitizer for Cleanroom, and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces including countertops, sinks, plumbing fixture surfaces, Incubators, Refrigerators and Centrifuge surfaces of metal, stainless steel, glass, plastic (such as polystyrene or polypropylene), Formica®, and vinyl.

Use this product to clean, sanitize and disinfect non-porous ambulance equipment and surfaces by rinsing all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the ambulance equipment and surfaces that would necessitate replacement.)

Efficacy tests have demonstrated that this product is an effective bactericide, virucide and fungicide in the presence of organic soil (5% blood serum).

This product maximizes (improves) labor results by effectively controlling odors.

When used as directed, this product will deodorize surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.

This product neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.

This product is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

This product is effective against household bacteria and odors caused by animal waste, septic tank or sewage backup, smoke and bathroom and kitchen odors.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. (*Not for use in California*)

This product is for use in household and commercial humidifiers. Use of this product will control unpleasant (malodors) odors.

This product is a one-step cleaner and deodorant (odor counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew) on hard, non-porous environmental surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor causing microorganisms and mold and mildew. Its non-abrasive formula is designed for use on (restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms, and locker rooms.

This product is effective at controlling mold and mildew on shower curtains.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

This product cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

This product is for non-scratch cleaning of showers and tubs, shower doors and shower curtains, fixtures and toilet bowls.

This product will not leave a grit or soap scum.

This product is a no-rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

Kills Trichophyton mentagrophytes (the agent that causes Athlete's Foot fungus) on bathroom surfaces.

This product is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

This product is a (concentrated) non-acid (bowl and) bathroom cleaner, which cleans, disinfects and deodorizes in one easy step. It cleans, disinfects and deodorizes surfaces by killing many odor-causing microorganisms and mold and mildew. Its non-abrasive formula is designed for use (Use daily) on ([hard, non-porous environmental] restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

Malodor(s) (Activity) (Odor) (Counteractancy) – eliminates (destroys) odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors).

This product is a versatile disinfectant/sanitizer for Veterinarian, Veterinary Practice, Animal Care, Animal Laboratory, and Agricultural and Farm Premise applications.

This product cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

This product can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and cage furniture (plastic terrarium ornaments, driftwood, heat caves and water dishes). *(Use on rocks and driftwood not allowed in California)*

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Canine Coronavirus.

This product cleans, disinfects and deodorizes (hard, non-porous environmental surfaces) in one step. Its non-abrasive formula is designed for use on (Use daily on) (Use daily to clean and disinfect) (hard, non-porous surfaces): plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces (associated with floors, walls, countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

This product has been designed for veterinarians, animal groomers, hair stylists, barbers and beauticians, for use in disinfecting and maintaining clippers. It acts as a virucide and bactericide while also cleaning. Regular use will help to maintain blades that operate with reduced friction and with smoother clipping action. Will help to prolong equipment life. This product is designed for use in pet salons, animal hospitals, barber and beauty shops. When used as directed it will disinfect metal clipper blades as well as many other hard, non-porous surfaces.

This product cleans rodent soiled areas.

This product is for use in Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is for use in Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and green houses.

When used as directed, this product will disinfect hard, non-porous surfaces, such as flower buckets, floors and walls of coolers, design and packing benches, and countertops.

This product can be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use this product to clean, disinfect and deodorize flower buckets, walls, floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

This product can be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause: *(Not for use in California)*

1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.

Use this product to disinfect non-porous salon/barber tools and instruments: (such as) combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and manicure/pedicure instruments and footbath surfaces.

Use this product to disinfect/sanitize non-porous salon/barber tools and instruments: (such as) combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and manicure/pedicure instruments.

Use this product to clean, sanitize and disinfect non-porous personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

Use to clean and disinfect non-medical (i.e. industrial and fire fighting) respirators in industrial, commercial and institutional premises.

Use (on) (to clean and disinfect) non-porous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

Floor cleaner.

This product is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.

This product provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

Controls the growth of odor-causing and slime-forming bacteria used in waterbed uses. Prevents bubbles, preserves plasticizers, conditions vinyl interior, sequesters minerals. (Not for use in CA)

Cleans everyday kitchen messes.

Cleans non-food contact kitchen surfaces and food preparation areas.

Cleans everyday kitchen messes like dirt, grease and food stains. Cuts through tough grease and grime.

For use in:

Federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging material must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

Escherichia coli (E. coli), *Salmonella enterica* (Salmonella), and *Staphylococcus aureus* (Staph) are common bacteria found where food is prepared and stored. This product kills these bacteria and helps prevent the spread of food borne contamination on treated kitchen surfaces listed on this label. A potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

This product cleans by removing dirt, grime and food soils in food preparation and processing areas. Its non-abrasive formula will not harm (scratch) surfaces. It cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

This product is effective against the control of small flies on non-food contact surfaces such as floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.

Use this product on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, glazed tiles, toilet, countertops, stove tops, exterior surfaces of appliances and refrigerators, cabinets, garbage cans, outdoor furniture (except cushions and wood frames), desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

Disinfects, cleans, and deodorizes the following hard, non-porous inanimate surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.).

Its non-abrasive formula is designed for use on (Use daily on) (hard, non-porous environmental surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, brass, copper, laminated surfaces and baked enamel surfaces (associated with floors, walls, ceiling, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms, shower rooms

and locker rooms (areas) – any washable (food and non-food contact) surface where disinfection is required. This product's non-dulling formula eliminates the time and labor normally required for rinsing. A potable water rinse is required for food contact surfaces. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances.

- Concentrate (Concentrated).
- Neutral (Neutral pH).
- Disinfects (Disinfectant).
- Cleans (Cleaner).
- Deodorizes (Deodorizer).

For use in households.

This product is a complete, chemically balanced disinfectant/sanitizer that provides a clear solution even in the presence of hard water.

Will not harm sealed stone, sealed grout, or glazed tile.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DISINFECTION IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) and NON-MEDICAL FACILITIES (Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against the following organisms. Treated surfaces must remain wet for 10 minutes.

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli 0157:H7
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)
Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei
Staphylococcus aureus (ATCC 6538)
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA MRSA)

Staphylococcus aureus (Methicillin resistant) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

FOR SCHOOLS, INDUSTRY AND NON-MEDICAL INSTITUTIONAL USES: This product delivers cleaning and germicidal effectiveness. Treated surfaces must remain wet for 10 minutes, then allow to air dry or wipe. For heavily soiled areas, a preliminary cleaning is required. Apply product undiluted and replace if product becomes soiled. It is effective against *Staphylococcus aureus*, *Salmonella enterica*, *Escherichia coli* and *Serratia marcescens*. The same AOAC tests used to confirm performance for hospitals were used.

VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a preliminary cleaning is required.

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Hantavirus
Herpes Simplex Type1 (ATCC VR260)
Herpes Simplex Type2 (ATCC VR734)
Hepatitis C virus
Hepatitis B virus
Human Coronavirus
Influenza A/Brazil Virus
Respiratory syncytial virus
Vaccinia virus

This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 2 minutes.

HIV-1 (AIDS virus)

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective sanitizer on hard, non-porous environmental surfaces. Treated surfaces must remain wet for 5 minutes. Allow to air dry.

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

FUNGICIDAL PERFORMANCE: This product is effective on hard, non-porous surfaces against the following organisms. Treated surfaces must remain wet for 10 minutes.

Candida albicans
Trichophyton mentagrophytes

MOLD AND MILDEW CONTROL DIRECTIONS: This product is effective on hard, non-porous surfaces against the following organism. Treated surfaces must remain wet for 10 minutes.

Aspergillus niger

CLEANING AND DISINFECTION: Apply undiluted (ready-to-use) solution with a mop, cloth, sponge or coarse spray device so as to wet all surfaces thoroughly. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray. Allow surfaces to remain wet for 10 minutes, Allow to air dry or wipe up excess liquid.

(OR)

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT:

1. Pre-clean heavily soiled areas.
2. Apply undiluted solution to hard, non-porous environmental surfaces.

3. To disinfect, all surfaces must remain wet for ten (10) minutes.
4. Wipe surfaces (and let air dry).

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

DISINFECTION DIRECTIONS: Apply this product undiluted to walls, floors and other hard, (inanimate) non-porous surfaces such as Crypton barrier fabric, tables, chairs, countertops, sinks, glazed tile, glazed porcelain and bed frames with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. Treated surfaces must remain wet for 10 minutes. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Rinse with potable water after use on surfaces that come in contact with food.

Note: With spray applications cover or remove all food products. Apply product undiluted and replace if product becomes soiled.

For heavily soiled areas, a preliminary cleaning is required. Then wipe excess with sponge, mop or cloth or allow to air dry.

OR

Apply this product to hard, inanimate, non-porous surfaces with a cloth, mop or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes.

Note: With spray applications cover or remove all food products.

FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A: For use in homes, hospitals, hotels, motels and schools, follow the disinfection. (OR) For use in animal housing facilities follow the animal premise directions.

TO SANITIZE (AND DEODORIZE): Apply undiluted use solution to hard, inanimate, non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Let stand for 5 minutes. Then wipe. Allow to air dry.

Note: With spray applications cover or remove all food products.

HOSPITAL/HEALTH CARE

(Note for reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used.)

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or, (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(Or use the following language if not used on medical devices or medical equipment)

Not for use on medical devices or medical equipment surfaces.

HOSPITALS, DENTAL OFFICES, NURSING HOMES AND OTHER HEALTH CARE INSTITUTIONS: For disinfecting floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, garbage pails and other hard, non-porous surfaces.

HOSPITAL DISINFECTANT DIRECTIONS: Apply undiluted (ready-to-use) use solution to hard, inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry.

Note: With spray applications cover or remove all food products. For heavily soiled areas, a preliminary cleaning is required.

HEPATITIS B VIRUS: This product was proven to be effective against (Duck) Hepatitis B Virus with a contact time of 10 minutes.

HEPATITIS C VIRUS: With a 10 minute contact time, this product was found to be effective against Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

HIV (AIDS VIRUS): With a 2 minute contact time, this product was found to be effective against HIV-1 (AIDS virus).

***KILLS HIV, HCV AND HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

"SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV AND HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS."

Personal Protection: Clean up must always be done wearing protective latex gloves, gowns, masks and eye protection. (Alternate statement: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.)

Cleaning Procedure: Blood and other body fluids (containing HIV-1, HBV & HCV) must be thoroughly cleaned from surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Leave surface wet for 2 minutes with undiluted solution. This contact time will not control other common type of viruses and bacteria listed on this label. To be effective against Hepatitis B and Hepatitis C virus a 10 minute contact time is required.

(OR)

For HIV, leave surfaces wet for two minutes. This contact time will not control other common types of viruses and bacteria. For HBV, leave surfaces wet for 10 minutes. For HCV, leave surfaces wet for 10 minutes.

SURGICAL INSTRUMENT PRESOAK: Pour undiluted (ready-to-use) solution into container. Place pre-cleaned instruments in solution to presoak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure.

Note: Plastic instruments can remain immersed until sterilization. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle until sterilization. Prolonged soaking can cause damage to metal instruments. Surgical instruments must be sterilized before use.

ULTRASONIC BATH DISINFECTANT/FUNGICIDE DIRECTIONS: Use this product to disinfectant hard (inanimate) non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh undiluted solution directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufactures' use directions. Remove objects and wash (rinse) with sterile water (sterile water for injection) or allow to air dry. Use fresh solution for each application.

FOR DISINFECTING/FUNGICIDE HARD NON-POROUS (FIBERGLASS) BATH AND THERAPY EQUIPMENT: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the unit, drain the water from the unit. Apply this product undiluted. Wash down the unit sides, seat of the chair lift, and any/all related equipment with a clean swab, brush or sponge. Product to surface contact time must be at least 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain any solution from the unit and rinse any/all clean surfaces with fresh water. The unit is ready for reuse.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean equipment if heavily soiled to ensure proper surface contact. Apply undiluted solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for ten (10) minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134).

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN INSTITUTIONAL FACILITIES

ULTRASONIC BATH SANITIZING DIRECTIONS: Use this product to sanitize hard (inanimate) non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh undiluted solution directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufactures' use directions. Remove objects and wash (rinse) with sterile water (sterile water for injection) or allow to air dry. Use fresh solution for each application.

Note: This product in its use solution is compatible with stainless steel, aluminum and most other surfaces. Before product use, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

FOOD PROCESSING PLANTS

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

OR

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected. A potable water rinse is required.

DIRECTIONS FOR FOOD PROCESSING PLANTS: For use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Follow Disinfection directions.

DIRECTIONS FOR FOOD STORAGE AREAS: For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

FOR USE AS A CLEANER/DISINFECTANT IN FOOD PROCESSING PLANTS:

1. Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
2. Apply undiluted solution evenly over surface using a cloth, mop, sponge or coarse spray device. Be sure to wet all surfaces thoroughly. Do not breathe spray.
3. Allow product to remain on surface for ten (10) minutes.
4. Wipe with clean cloth, sponge or paper towel.
5. For heavily soiled areas, thoroughly clean surface prior to disinfecting.
6. When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware and dishes.

TO DISINFECT FOOD-PROCESSING AND TOBACCO PREMISE: Before using this product, food products and packaging materials must be removed from area or carefully protected. For use on floors, walls and storage areas. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES: (For) countertops, exterior surfaces of appliances, and tables. Before using this product, food products and packaging materials must be removed from area or carefully protected. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water. After use, all surfaces in the area must be thoroughly rinsed with potable water. This product is not for use on dishes, glassware, interior surfaces of appliances or eating utensils.

FOR USE ON NON-FOOD CONTACT SURFACES AS A GENERAL DISINFECTANT IN THE BREWERY INDUSTRY: Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Follow the general disinfectant directions above.

DISINFECTING POTATO STORAGE AREA AND EQUIPMENT: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

FOR CONTROL OF THE DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES: To control flies on non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas. Remove food and food packaging prior to use. Cover exposed food-handling surfaces. After removing gross filth, apply undiluted solution to surfaces and locations where flies breed. Spray surfaces thoroughly or apply by pouring, mopping or sponging onto the surface. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: *Drosophila* spp. and the Phoridae family. Spray or pour undiluted solution into drain during time of lowest level of drain use. Add 14 ounces of solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

**SANITIZING NON-FOOD CONTACT SURFACE DIRECTIONS
IN FOOD PROCESSING FACILITIES**

SHOE (BOOT) BATH SANITIZER DIRECTIONS: To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of fresh undiluted solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in solution for 5 minutes prior to entering area. Change the sanitizing solution in the bath at least daily or sooner if solution appears dirty.

SHOE FOAM DIRECTIONS: To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants. Apply a foam layer approximately 0.5 to 2 inches thick of undiluted solution at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine aerator to apply foam layer. Follow the foaming directions as specified by the manufacture of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 5 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears dirty.

(For food processing or other facilities that have installed entryway sanitizing systems.)

ENTRYWAY SANITIZING SYSTEMS: To prevent cross contamination from area to area, set the system to deliver undiluted sanitizing solution. The (spray) (foam) must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives to the sanitizing solution.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

This product is effective against:

Dactylium dendroides (ATCC 6676)

Site Preparation: The first step in any ongoing sanitation program should be the removal of gross contamination and debris. This can be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Disinfection: Wet all surfaces thoroughly. Treated surfaces must be allowed to remain wet for 10 minutes. Let air-dry. For heavily soiled areas, pre-clean first. Use a fresh solution for each use.

For Heavy Duty Cleaning: When greater cleaning is desired, heavily soiled areas will require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

ANIMAL PREMISES

ANIMAL VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a preliminary cleaning is required.

Avian influenza A/Turkey/Wisconsin (ATCC VR798)

Canine Distemper

Canine Coronavirus

Infectious Bovine Rhinotracheitis virus (IBR) (ATCC VR188)
Newcastle disease virus (ATCC VR109)
Porcine Respiratory & Reproductive Virus (PRRSV)
Porcine Rotavirus
Pseudorabies virus (ATCC VR135)
Transmissible Gastroenteritis (TGE)

SITE PREPARATION: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION: Remove all animals and feeds from areas to be treated, vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

VETERINARY PRACTICE (CLINICS)/ANIMAL CARE FACILITIES/ANIMAL LABORATORY/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL RESEARCH CENTERS/ANIMAL QUARANTINE AREAS/ZOOS/PET SHOP/KENNELS/ANIMAL HUSBANDRY/ANIMAL BREEDING FACILITIES/BREEDING AND GROOMING ESTABLISHMENT/TACK SHOPS DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from areas to be treated, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent and rinse with potable water before reuse.

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS

Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup must wear coveralls, (disposable, if possible), rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air (HEPA) filter respirator or a powered air-purifying respirator (PAPR) with HEPA filter. Disinfect Personal Protective gear upon removal at the end of the day. If the coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed.

All potentially infective waste material (including respirator filter) from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious (if it is to be transported) and disposed of in accordance with local requirements for infectious waste.

Rodent droppings and visible dust may be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This can spread the virus through the air.
4. Thoroughly wet the contaminated areas with the product and allow solution to stand undisturbed for contact time specified by the manufacturer's label.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
6. Treat the surface again following the manufacturer's label directions and allow solution to stand undisturbed for 10 minutes.

DRESSING AND RENDERING PLANT USE (RENDERING PLANT/DRESSING PLANT) DISINFECTANT DIRECTIONS: Cover or remove all food and packaging materials. Remove all gross soils. Disinfect walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Saturate all surfaces with undiluted solution. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

RENDERING PLANT/DRESSING PLANT DISINFECTANT/FUNGICIDE/VIRUCIDE DIRECTIONS: Cover or remove all food packaging material before disinfection. Remove gross soils. Apply to walls and floors in poultry and animal dressing plants with undiluted solution. All surfaces must remain wet for 10 minutes. Disinfect all rooms, exterior walls and loading platforms of dressing plants. Thoroughly rinse all wetted and cleaned surfaces with potable water.

TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION: Animals frequently defecate on hot rocks and other cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items. *(Use on rocks and driftwood not allowed in California)*

1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with undiluted solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
7. Clean terrarium at least once weekly or more as needed.

Note: Do not apply this product directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the

animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately. Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS: Remove all reptiles from the enclosure (tank) prior to cleaning and disinfecting. Remove all litter or droppings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply the disinfecting and virucidal (ready-to-use) (undiluted) solution to the surfaces of the enclosure (tank) until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry. Rinse all surfaces that come in contact with food with potable water before reuse. Allow the enclosure (tank) to ventilate for a minimum of 10-15 minutes before replacing the reptiles.

Note: Do not apply this product directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.

FARM PREMISE USE: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from areas to be treated, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with undiluted product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

(OR)

FARM PREMISE DISINFECTION DIRECTIONS

FOR USE IN EQUINE, DAIRY AND HOG FARMS:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with undiluted product for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

VEAL, CALVING, HOG, CATTLE AND HORSE OPERATIONS: Between depopulations of facilities, cleaning and disinfection of pens, hutches, aisles and other environmental surfaces can be required. Flush soils from these areas. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with

undiluted solution and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

FOR USE FOR TREATMENT OF ANIMAL HOUSING FACILITIES:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with undiluted solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

POULTRY (AND SWINE) PREMISE SANITATION

Site Preparation: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION: Remove all animals and feeds from areas to be treated, vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

DISINFECTION OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:

Prior to disinfection, remove all poultry, other animals and their feed from areas to be treated, vehicles (trucks and cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

DISINFECTION/FUNGICIDE/VIRUCIDE OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS: Remove all animals and feeds from areas to be treated, vehicles (trucks and cars) and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent, then rinsed with potable water before reuse.

HATCHERIES: Use this product undiluted to treat the following hard, non-porous surfaces: hatching, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, trash containers, carts, sexing tables, delivery trucks, vans and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray device. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Allow to air dry.

FOR USE IN LIVESTOCK, POULTRY AND TURKEY HOUSES:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, (stalls), chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with undiluted solution for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.

8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

DISINFECTANT DIRECTIONS FOR CHICK VANS, EGG TRUCKS HATCHERY and FARM VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. Use this product undiluted to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. For sprayer applications, use a coarse spray device.

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES OF AUTOMATED TRAY, RACK AND BUGGY WASHERS: Remove all litter and manure from surfaces to be treated. Treat hard non-porous, non-food contact surfaces of automated trays, racks and buggy washers with this undiluted solution for 10 minutes. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Change the disinfecting solution at least daily or when solution appears dirty.

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES IN EGG RECEIVING AND EGG HOLDING AREAS: Remove all litter and manure from surfaces to be treated. Saturate hard non-porous, non-food surfaces with this undiluted solution for a period of 10 minutes. Apply by mop, brush or sprayer. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Change the disinfecting solution at least daily or when solution appears dirty.

MEAT PACKING PLANTS: Use this undiluted product to disinfect hard, non-porous surfaces associated with the following sites: livestock vehicles and holding pens, perceiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, surfaces of equipment for hide operations consisting of brine curing, hide transfer bin surfaces, chutes, conveyors, tallow and animal feed production hard, non-porous surfaces, processed products and offal equipment surfaces, fabrication and processing areas covering cold storage areas, all stainless steel cut out and prep tables, counter tops, conveyors, chains, tables, floors, walls and all stainless surfaces. Pre-clean all surfaces prior to use to remove gross soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed. All treated equipment that will contact animal feed or food surfaces must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

HIDE/LEATHER PROCESSING PLANTS: To use as a disinfectant/fungicide on hard non-porous surfaces, apply this undiluted solution. The product can be used on hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales, etc. Pre-clean all surfaces prior to use to remove gross soils. Thoroughly wet all hard, non-porous surfaces by evenly applying the use solution. Apply use solution with a cloth, mop, sponge, sprayer or by immersion, thoroughly wetting surfaces. For sprayer applications, use a coarse spray device at 6-8" from surfaces. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry or allow to air dry.

SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A: Remove all poultry and feeds from areas to be treated, trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks,

shovels, scrappers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN ANIMAL PREMISES

TO SANITIZE HOOF TRIMMING EQUIPMENT: Prior to application, pre-clean hoof trimming equipment and utensils before and after use on each animal with detergent and warm water or compatible cleaner to remove soil using a pre-scrape, pre-flush, or when necessary, pre-soak followed by a potable water rinse. Apply undiluted solution to pre-cleaned hard surfaces using a cloth, mop, sponge or sprayer or by immersion to thoroughly wet surfaces. Allow surfaces to remain wet for at least 5 minutes followed by adequate draining or air drying. Prepare fresh solution at least daily or when solution becomes visibly dirty.

BARBER/SALON

DISINFECTION/FUNGICIDE/VIRUCIDE FOR BARBER/SALON TOOLS DIRECTIONS: Immerse pre-cleaned barber/salon tools, such as combs, brushes, razors, manicure/pedicure tools, clippers, tweezers, clipper and trimmer blades, and scissors, in undiluted solution. Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Use product undiluted and replace if product becomes soiled.

(OR)

FOR USE TO CLEAN AND DISINFECT BARBER AND BEAUTY/MANICURE INSTRUMENTS AND TOOLS:

1. Pre-clean heavily soiled items.
2. Completely immerse pre-cleaned combs, scissors, clipper blades, razors, manicure implements and other non-porous instruments in undiluted solution so that surfaces remain wet for ten (10) minutes.
3. Rinse surfaces thoroughly and let air dry before reuse.
4. Change solution at least daily or sooner if visibly dirty.

(OR)

DISINFECTING/FUNGICIDE/VIRUCIDE GROOMING CLIPPERS: Turn the clipper off occasionally during use and spray between the teeth of blades with undiluted solution. Allow surface to remain wet for at least 10 minutes. Remove hair, dandruff and dust particles prior to disinfecting the blades.

(OR)

CLEANING HAIR CLIPPERS AND ELECTRIC SHEARS: While clipper/shear is running, hold in the downward position and spray undiluted solution directly onto the blades two or three times to thoroughly wet the blades. Do not spray on the clipper case or drip into clipper housing. Turn off clipper/shear. Allow surface to remain wet for at least 10 minutes. Then wipe dry with a clean soft cloth. Lubricate as per clipper/shear manufacturer's instructions.

(OR)

CLEANING BARBER/SALON SHEARS AND OTHER IMPLEMENTS: Spray shear/implement until thoroughly wet. Wipe away visible debris using a soft bristle brush or cloth. Immerse pre-cleaned shear/implement into a container of this undiluted solution for at least 10 minutes. Remove shear/implement and wipe dry. No rinsing is necessary. Use fresh solution at least daily or when immersion tank (bowl) (sink) solution becomes diluted or visibly soiled.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and

kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

DISINFECTION/FUNGICIDE/VIRUCIDE OF HARD, NON-POROUS SURFACES IN FOOTBATHS: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the footbath, drain the water and thoroughly clean all hard, non-porous surfaces with soap or detergent, then rinse with water. Using undiluted solution to saturate exposed surfaces with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow solution to stand for 10 minutes. For spray applications, use a coarse spray device. Do not breathe spray. After the unit has been thoroughly disinfected, rinse all cleaned surfaces with fresh water. Do not breathe spray. Do not use equipment until treatment has been absorbed, set or dried.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN BARBER/SALON FACILITIES

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS: Pre-clean soiled instruments and tools. Completely immerse water safe non-porous instruments and tools in undiluted solution of this product for at least 5 minutes. Rinse thoroughly and dry before use. Apply product undiluted and replace if product becomes soiled.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

RESTROOM/BATHROOM

NON-ACID TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS
Remove gross filth prior to disinfection.

Remove water from the toilet bowl. Apply 1-2 ounces of undiluted solution to the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Allow to stand for 10 minutes and flush.

FOR USE AS A NON-ACID BOWL CLEANER/DISINFECTANT IN TOILET BOWLS:

1. Pre-clean heavily soiled areas.
2. Remove water from toilet bowl.
3. Add 1-2 ounces of undiluted solution into toilet bowl.
4. Swab entire surface area especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.

(Or use alternate Use directions)

TOILET BOWLS/URINALS: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying undiluted solution around the bowl and up under the rim. Stubborn stains can require brushing. To disinfect, first pre-clean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in 1-2 oz. of undiluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

(Or use alternate Use directions)

DISINFECTION AND CLEANING TOILET BOWLS AND URINALS:

1. With a swab mop applicator, remove water from bowl by forcing out trap. Preliminary cleaning is required for heavily soiled surfaces.
2. Press swab mop against side of bowl to remove excess water from applicator.
3. Apply 1-2 oz. of this product evenly onto surface to be cleaned and disinfected.
4. Swab entire surface area especially under the rim where outlets are located.
5. Allow this product to remain wet on surfaces at least 10 minutes.
6. Flush toilet and rinse applicator thoroughly.

(Or)
GENERAL CLEANING TOILET BOWL: Apply (Open cap) (Squeeze gently, directing) 1-2 ounces of bowl cleaner under the rim and on sides of bowl (inside only). Brush, clean and flush toilet. (Close cap). Rinse brush with clean water. Do not use on any other surfaces including toilet seat, toilet lid, countertops, tubs and sinks. Do not allow solution to remain on surfaces without immediately rinsing thoroughly with water.

(Or)
TO CLEAN AND DISINFECT: A preliminary cleaning is required for the removal of heavy soil prior to disinfection. Fill toilet bowl with clean water. Saturate mop with 1-2 ounces of this product while holding bottle and mop applicator over bowl. Swab bowl completely making sure to get under the rim. Let stand for 10 minutes then flush. Rinse applicator completely.

(Or)
TO DISINFECT TOILET BOWLS: Fill toilet bowl with clean water. Apply (Squeeze) 1-2 ounces of bowl cleaner onto bowl brush. Clean the entire unit especially under the rim at water outlets. Allow surface to remain wet 10 minutes. Flush and rinse out bowl brush with clean water. A preliminary cleaning step is required for the removal of heavy soil prior to disinfection.

(Or)
TO DISINFECT TOILET BOWLS: Flush to remove heavy soil. To clean, simply squirt 1-2 ounces of this product under the rim and around sides. Allow it to stand several minutes then scrub entire surface (especially under the rim) with a bowl (toilet) mop. Flush and rinse. To disinfect, squirt 1 ounce of this product under the rim and around the sides. Scrub bowl with mop. Allow solution to remain in the bowl for 10 minutes after scrubbing. Flush and rinse.

(Or)
TO DISINFECT TOILET BOWLS:
1. Remove gross filth and heavy soil deposits.
2. Fill toilet bowl with clean water.
3. Apply 1-2 ounces of this product to swab applicator, cloth, mop, sponge, or directly to surface.
4. Swab entire surface area, especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.

(Or)
TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS: Remove gross filth prior to disinfection. Empty bowl or urinal and apply solution of 1-2 ounces of this product to exposed surfaces including under the rim. Allow toilet bowl to fill with water. Brush or swab thoroughly with a cloth, mop, sponge or sprayer and allow solution to stand for 10 minutes and flush.

(Or)
TO CLEAN AND DISINFECT URINALS: Flush to remove heavy soil. Remove screens and strainers. Then squirt a solution of 1-2 ounces of this product around the edges and top. Allow solution to flow down over surfaces. Allow it to stand several minutes before scrubbing, then flush and rinse. To disinfect, allow solution to remain in urinal at least 10 minutes after scrubbing.

(Or)
TO DISINFECT URINAL:
1. Remove gross filth and heavy soil deposits.
2. Apply solution of 1-2 ounces of this product directly to urinal surfaces including water outlets area for general cleaning.
3. Then pour additional solution on applicator.
4. Clean entire unit, especially under rim at water outlets, with applicator.
5. Remove screen trap to deodorize drain and apply 1 ounce directly on edge and into drain.

6. Wait 10 minutes, flush and rinse applicator.

FOR HEAVY DUTY CLEANING: Empty toilet bowl or urinal and apply 8 ounces of product to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush. For sprayer application, use a coarse spray device.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS: Swab area and remove gross filth and heavy soil. Apply 1-2 ounces of (product name) onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply undiluted solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for ten (10) minutes.
Special instructions for foam guns: Pour undiluted solution into foam gun bottle and attach bottle to spray nozzle and ensure gun is attached to hose. (Note: See foam gun instructions for more information. Once in place, squeeze the handle disperse foam solution. To disinfect, all surfaces must remain wet for ten (10) minutes. (Foam guns not for use in California.)
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

RV HOLDING TANKS/RECREATIONAL VEHICLES: For toilet waste and holding tanks, cover bottom of holding tank with water and 1 to 2 ounces of undiluted solution to deodorize. If odors return before time to empty, add 1-2 ounces to the tank. For kitchen waste, add 1 to 2 ounces to gray water tank as needed to control malodors created by dirty dishwater. (Not for use in CA)

FUNGICIDAL/DEODORIZATION / MOLD & MILDEW

FUNGICIDAL ACTIVITY: This product is effective against Trichophyton mentagrophytes (athlete's foot fungus) (a cause of Ringworm) and Candida albicans on inanimate, hard, non-porous surfaces in locker rooms, dressing rooms and shower or bath areas and exercise facilities. Apply this product undiluted and follow the direction under "Disinfection, Virucidal and Fungicidal Control".

MOLD AND MILDEW CONTROL DIRECTIONS: This product will effectively inhibit the growth of mold and mildew (*Aspergillus niger*) and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears.

GENERAL DEODORIZATION: To deodorize, apply this product undiluted. Excess material must be wiped up or allowed to air dry.

CLEANING/DEODORIZING DIRECTIONS: Apply undiluted solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray. Allow to air dry or wipe up excess liquid.

FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES AND GARBAGE HANDLING EQUIPMENT: It is especially important to preclean for the product to perform properly. Apply a wetting solution of this product.

FOR DEODORIZING SEPTIC STORAGE TANKS: When tanks are empty, pour undiluted solution into septic storage tank on recreational vehicles, campers and boats to control the bacteria that can cause odors. As tank fills with sewage and the vehicle is moving, this disinfectant solution will mix and provide an adequate deodorizing solution for this use. This product is to be used on gray and black water tanks only. Check with local, state, or federal authorities before disposing of sewage in accordance to federal, state and local regulations for waste disposal. *(Not for use in CA)*

AIR FRESHENER/AUTOMOTIVE USES: Effective on smoking and food odors (garlic, fish, onions, etc.), automobile odors from tobacco, musty carpet smell, and beverage smells will be eliminated. This product will effectively neutralize damp musty odors. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow to air dry.

FOR ODORS CAUSED BY DOGS, CATS AND OTHER DOMESTIC ANIMALS: Use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE, INFLATABLE, NON-POROUS PLASTIC AND RUBBER STRUCTURES (animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POROUS ATHLETIC EQUIPMENT: For use on wrestling and gymnastic mats, athletic mats, exercise equipment, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

GLASS CLEANING/DEODORIZING DIRECTIONS: Use undiluted solution to clean and deodorize windows, mirrors, and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray.

HUMIDIFIER DIRECTIONS *(Not for use in CA)*: Formulated for use in portable humidifiers. Thoroughly clean water tank and filters (before each heating season, or sooner if necessary). Add 1 ounce of this product to the tank. Not for use in heat or atomizing type humidifiers.

(OR)

HUMIDIFIER BACTERIA/ALGAE TREATMENT: Formulated for use in portable humidifiers. Thoroughly clean water tank and filters before each heating season, or sooner if necessary. Add 1 ounce of this product. When you refill the tank, add 1 ounce of this product. *(Not for use in CA)*

Not for use in heat or atomizing type humidifiers.

WATER/SMOKE DAMAGE RESTORATION *(Not for use in California)*

Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip

and paneling. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

SEWER BACKUP & RIVER FLOODING: During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. Saturate all affective areas with a sprayer using a coarse spray tip, before and after cleaning and extraction. *(Not for use in California)*

CARPETS, CARPET CUSHIONS AND OTHER POROUS MATERIALS SUCH AS SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a through extraction. Dry rapidly and thoroughly. *(Not for use in California)*

SPECIAL INSTRUCTIONS FOR CLEANING CARPET AGAINST ODOR CAUSING BACTERIA *(Not for use in California)*: This product can be used in industrial and institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

CARPET DEODORIZER AGAINST ODOR-CAUSING BACTERIA, FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE *(Not for use in CA)*

This product cleans and deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional, commercial and residential areas such as homes, motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use (Use this product) on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to the cloth, a water-based product must not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product must not be mixed with other cleaning products.

SMOKE DAMAGE RESTORATION *(Not for use in California)*: Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use: This product is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

OTHER USES

DISINFECTION OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: After using the whirlpool unit, drain all water from unit. Apply this product undiluted. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

WATERBED CONDITIONER: When used as a waterbed conditioner, controls the growth of odor-causing and slime-forming bacteria. Prevents bubbles, preserves plasticizers, conditions vinyl interior, sequesters minerals. (Not for use in CA)

If bed has not been treated properly, drain bed completely. Add 15 gallons of water, mix vigorously, drain bed again. Fill bed with water and follow dosage directions.

Dosage: To control growth of odor-causing and slime-forming bacteria, add 10 fluid ounces in a free flow waterbed of 90 to 180 gallon capacity. Add 10 fluid ounces in a waveless/fiber waterbed mattress of 90 to 180 gallon capacity. Repeat application every 4 to 6 months.

CLEANSING OF BODY SURFACES AND BODY ORIFICES OF HUMAN REMAINS: To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, apply this product undiluted to the surfaces and body openings, natural or artificial. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Allow a 10 minute contact time for optimal results. Prepare a fresh solution for application of each remains. (Alternate statement: Use fresh undiluted product for application of each remains.)

FOR USE ON FINISHED FLOORS: To limit gloss reduction, use this product undiluted. Apply with a damp mop or auto scrubber. Allow to air dry.

COMMERCIAL FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard non-porous surfaces in one step, remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply undiluted solution to hard (inanimate) non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Apply product undiluted and replace if product becomes soiled.

DIRECTIONS FOR HOUSEHOLD USE

KITCHEN/BATHROOM/HOUSEHOLD CLEANING: Apply this product undiluted with a cloth, sponge, mop or directly on surface with a mechanical spray. If a mechanical spray is used spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not use on paint or acrylic plastics. Wipe the soiled area clean. This product is not to be used on dishware, glasses or eating utensils.

DISINFECT/DEODORIZE: To disinfect hard, non-porous surfaces such as floors, walls, counters, sinks, tubs, toilets, glazed tile, exterior surfaces of appliances, refrigerators or freezers, microwave exteriors, stove tops and hoods, tables, garbage pails and faucets apply as is with cloth, sponge, mop or mechanical spray. If a mechanical spray is used, spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Treated surface must remain wet for 10 minutes before wiping. For heavily soiled areas a pre-cleaning step is required. The pre-clean step must be done according to the instructions under Kitchen/Bathroom/Household Cleaning. Rinse with potable water after use on surfaces that come in contact with food.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES

SANITIZATION OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the whirlpool unit, drain the water. Add undiluted solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 5 minutes. After the unit has been thoroughly sanitized, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units. The unit is ready for reuse

SANITIZATION of EXTERIOR HOUSEHOLD SURFACES DIRECTIONS

Preparation of Use Solution: Add undiluted solution to sanitize hard, non-porous exterior surfaces such as vinyl, plastic, sealed concrete, painted or sealed woodwork, and sealed stucco. Surfaces to be treated include house siding, decks, patios, walkways and driveways.

Application: Pre-clean surfaces. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer, or with a low-pressure (less than 60 psi) airless sprayer so as to wet surfaces thoroughly. Treated surfaces must remain wet for 3 minutes. Wearing suitable respiratory protective equipment to control exposure to spray, pressure wash surfaces to thoroughly clean all treated areas using a high-pressure spray. Do not breathe spray. One-half gallon of undiluted product will treat 200-300 sq ft of surface. User must wear protective eyewear as well as respiratory protective equipment.

DIRECTIONS FOR ALTERNATE CONTAINERS

BAG-IN BOX CONTAINERS

How to use this package: This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on the box.

TRIGGER SPRAYERS: Fill bottle from dispenser. Apply to surfaces according to directions above.

MOP BUCKETS: Fill bucket from dispenser. Set up "Wet Floor" signs. Mop floor surfaces as specified in directions above.

REFILLS

To Refill Concentrate From Large Containers Into Smaller Containers: This product can be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried, and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

(For containers for commercial, industrial and institutional use)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL (Larger than 1 gal.): (5 gallons or less)

NONREFILLABLE CONTAINER: Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Drain for 10 seconds after flow begins to drip. Fill container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(5 gallons or more)

NONREFILLABLE CONTAINER: Do not refill or reuse container. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill container $\frac{1}{4}$ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(For containers for household/residential use.)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

(Storage and Disposal for Households)

STORAGE AND DISPOSAL

Store in areas inaccessible to small children. Wrap in newspaper and discard in trash or recycle.

(Note to Reviewer: The following statements should be considered as alternate statements at this time. However, they will be required on the label after 8/16/10 per the Container Standard Regulations. We are including the statements for review at this time because our customers are inquiring whether they can make these statements on their labels now.)

(OR)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

(FOR USE ON NON-REFILLABLE CONTAINERS WITH HOUSEHOLD/RESIDENTIAL USES)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL/CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Wrap and put in trash or offer for recycling if available.

Batch Code: (Can be placed on container or label)

(FOR USE ON NON-REFILLABLE CONTAINERS WITH NO HOUSEHOLD/RESIDENTIAL USES)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to

identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). Triple rinse (or equivalent). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling for available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

RESIDUE REMOVAL INSTRUCTIONS: (For containers less than one gallon)

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

RESIDUE REMOVAL INSTRUCTIONS: (For containers greater than one gallon)

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

BATCH CODE: (Can be placed on container or label)

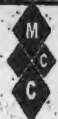
(FOR USE ON REFILLABLE CONTAINERS)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

CONTAINER HANDLING: Triple rinse (or equivalent). Refill this container with this product only. Do not reuse this container for any other purpose.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

RESIDUE REMOVAL INSTRUCTIONS: Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.



MASON CHEMICAL COMPANY
"The Quaternary Specialists"

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1821 or 800-362-1855

E.P.A. Reg. No. 10324-85

E.P.A. Est. No. 10324-IL-1

MAQUAT® 86-M

Net Contents:

Batch No:

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet.

(If container is 5 gallons or larger the following statement must appear on the label.)

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.
 Do not mix with oxidizers, anionic soaps and detergents.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

ACCEPTED
 with COMMENTS
 in EPA Letter Dated:

JUL 10 2009

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act as
 amended, for the pesticide,
 registered under EPA Reg. No. 10324-85

Review 9-15

Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (non-food contact surfaces), Virucide*, Deodorizer for Hospitals, Nursing Homes, Whirlpools, Home, Hotels & Motels, Waterbed Conditioner, Institutional, Industrial, Schools, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Small Fly Ovicidal Treatment.

Athletic Surface Disinfectant.

Non-Acid Bathroom Cleaner.

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation.

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride0.026%

Didecyl Dimethyl Ammonium Chloride0.013%

Diocetyl Dimethyl Ammonium Chloride0.013%

Alkyl (C₁₄, 50%; C₁₂, 40%; C₁₆, 10%)

dimethyl benzyl ammonium chloride0.034%

INERT INGREDIENTS:99.914%

TOTAL100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See left (back) (side) (right) panel (of label) (below) for additional precautionary statements and first aid statements.

(Note to Reviewer: This information has been verified per DOT regulations. It is NOT required to be on the label but is being requested by a customer.)

TRANSPORTATION INFORMATION

DOT Hazard Class: Non-Corrosive

DOT Proper Shipping Name: Non-Corrosive

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

(Note to reviewer: The Table of Contents will not be on any label. This is for our customer's reference only. The page numbers will change as the label changes.)

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ORGANISM LIST

(Note: For reference use only. This is a list of all organisms covered by this label. Please see appropriate Directions for Use for proper use dilution.)

DISINFECTION IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) and NON-MEDICAL FACILITIES (Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against:

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli 0157:H7
Klebsiella pneumonia (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)

Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei
Staphylococcus aureus (ATCC 6538)
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA MRSA)
Staphylococcus aureus (Methicillin resistant) (MRSA) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces:

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Hantavirus
Herpes Simplex Type1 (ATCC VR260)
Herpes Simplex Type2 (ATCC VR734)
HIV-1 (AIDS virus)
Hepatitis C virus
Hepatitis B virus
Human Coronavirus
Influenza A/Brazil Virus
Respiratory syncytial virus
Vaccinia virus

ANIMAL VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces:

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Canine Coronavirus
Canine Distemper
Infectious Bovine Rhinotracheitis virus (IBR) (ATCC VR188)
Newcastle disease virus (ATCC VR109)
Porcine Respiratory & Reproductive Virus (PRRSV)
Porcine Rotavirus
Pseudorabies virus (ATCC VR135)
Transmissible Gastroenteritis (TGE)

FUNGICIDAL PERFORMANCE: This product is effective on hard, non-porous surfaces against the following organisms:

Candida albicans
Aspergillus niger
Trichophyton mentagrophytes

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective sanitizer on hard, non-porous environmental surfaces against the following organisms.

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

MARKETING CLAIMS

Maquat® 86-M for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, healthcare facilities, physician offices, operating rooms, radiology rooms, isolation wards, hospices, and medical research facilities, hospices.
- Patient care rooms & facilities, recovery rooms, anesthesia, Emergency Rooms, X-ray cat labs, exam rooms, newborn nurseries, neonatal units, orthopedics, whirlpool surfaces, footbath surfaces, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, ophthalmic/optometric facilities.
- EMS & fire facilities, emergency vehicles, ambulance(s), ambulance equipment/surfaces, carts, gurneys, stretchers, police cars, fire trucks.
- Day care centers and nurseries, sick rooms, elder care centers, baby cribs, kindergartens, and preschools.
- Acute care institutions, alternate care institutions, home healthcare institutions.
- Life care retirement communities.
- Restaurants, restaurants and bars, bars, kitchens, taverns, cafeterias, institutional kitchens, fast food operations and food storage areas.
- Supermarkets, convenience stores, retail and wholesale establishments, department stores, shopping malls, gift shops, video stores, bookstores, dressing rooms and laundries, photocopy centers, bicycle shops, auto repair centers.
- Computer manufacturing sites, toy factories.
- Food establishments, coffee shops, donut shops, bagel stores, pizza parlors, liquor stores.
- Crime scenes and funeral homes, morgues, mortuaries, burial vaults, mausoleums, autopsy rooms, cadaver processing areas.
- Police stations, courthouses, correctional facilities, prisons, jails, municipal government buildings, penitentiaries, correctional institutions, bus stations, train stations.
- Institutional facilities, laboratories, factories, business and office buildings, restrooms, hotels and motels and transportation terminals, maintenance vehicles, and maintenance equipment.
- Public restrooms, public facilities, waysides, travel rest areas, shower rooms, shower stalls, bathrooms, shower and bath areas.
- Hotel, motels, dormitories.
- Kitchens, bathrooms and other household areas.
- Homes (households), condos, apartments, vacation cottages, summer homes.
- Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, exercise equipment, gyms, gymnasiums, fieldhouses.
- Cosmetic manufacturing facilities, medical device manufacturing facilities, biotechnology firms, pharmaceutical manufacturing facilities, warehouses.

- Health clubs, spas, tanning salons, tanning spas, tanning beds, tanning equipment, footbath surfaces, massage/facial salons, hair/nail/pedicure salons, barber/beauty shops, salons, tattoo parlors.
 - Museums, art galleries, post offices, performance/theater centers, banks, libraries, movie houses, bowling alleys.
 - Recycling centers.
 - Humidifier water tanks.
 - Campgrounds, playgrounds, playground equipment, recreational facilities, picnic facilities, sports arenas, sports complexes.
 - Food processing plants, USDA inspected food-processing facilities, dairy farms, hog farms, equine farms, poultry and turkey farms and egg processing plants, meat/poultry processing plants, meat/poultry producing establishments, mushroom farms, rendering plants, canneries, caterers, bakeries, meat packing plants, hide and leather processing plants.
 - Processing facilities for Fish, Milk, Citrus, Wine, Fruit, Vegetable, Ice Cream, and Potatoes and beverage plants.
 - Tobacco plant premise and equipment.
 - Veterinary clinics, animal life science laboratories, animal laboratories, animal research centers, animal quarantine areas, animal holding areas, animal breeding facilities, kennels, dog/cat animal kennels, breeding and grooming establishments, pet animal quarters, zoos, equine farms, pet shops, tack shops, operating rooms, washing areas, waiting rooms, examination rooms and other animal care facilities.
 - Farmhouses, barns, sheds, tool sheds, barns, cattle barns, swine barns, sheep barns, horse barns, brooder houses.
 - Household and automotive garages, boats, ships, barges, watercraft, campers, RV's, trailers, mobile homes, cars, automobiles, automobile interiors, trucks, delivery trucks, boxcars, tankers, tank trucks, buses, trains, taxis, helicopters and airplanes.
 - Cruise lines, cruise ships, airline terminals, airports, shipping terminals, public transportation, transportation terminals.
 - Commercial florist and flower shops.
 - Basements, cellars, bedrooms, attics, living rooms, and porches.
- This product can be used on washable, hard, non-porous surfaces such as:
- Food preparation and storage areas.
 - Kitchen equipment such as trash compactors.
 - Countertops (counters), countertop laminates, stovetops (stoves), sinks (bathroom, kitchen), tub surfaces, non-food contact surfaces of Slurppy® machines, and exterior surfaces of appliances, refrigerators, microwave ovens and ice machines.
 - Hospital beds, bed railings, bedpans, gurneys, traction devices, MRI, CAT, examining tables, scales, paddles, wheelchairs, cervical collars, neck braces, spine backboards, stretchers, unit stools, CPR training mannequins, curing lights, light lens covers, slit lamps, operating room lights, operating tables, oxygen hoods, dental chairs/ countertops, examination tables, X-ray tables, washing areas.
 - Ultrasonic baths, whirlpools, whirlpool bathtubs.
 - Highchairs, baby cribs, diaper changing stations, infant bassinets/cribs/warmers/incubators/care equipment, folding tables, hampers, laundry pails.

- Shower stalls, shower doors and curtains, bathtubs and glazed tiles, chrome plated intakes, toilets, toilet seats, toilet bowls, toilet bowl surfaces, urinals, empty diaper pails, portable and chemical toilets and latrine buckets, glazed porcelain, glazed tile and restroom fixtures, bathroom fixtures.
- Glass, laminated surfaces, metal, stainless steel, glazed porcelain, glazed ceramic, sealed granite, sealed marble, plastic (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene), sealed limestone, sealed slate, sealed stone, sealed terra cotta, sealed terrazzo, chrome and vinyl, Plexiglass®, vanity tops.
- Tables, chairs, desks, folding tables, bed frames, lifts, washable walls, cabinets, doorknobs and garbage cans, trash barrels, trash cans, trash containers, cuspidors and spittoons.
- Enameled surfaces, painted woodwork (finished), Formica®, vinyl and plastic upholstery, washable wallpaper.
- Foundations, steps, plumbing fixtures, finished baseboards and windowsills.
- Exhaust fans, refrigerated storage and display equipment, coils and drain pans of air conditioning, refrigeration equipment and heat pumps.
- Large, inflatable, non-porous plastic and rubber structures such as animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment.
- Hard, non-porous surfaces of picnic tables and outdoor furniture or Non-wooden Picnic tables and outdoor furniture except cushions and wood frames. (Note: Only one statement will be used on label.).
- Telephones and telephone booths.
- External Lenses Vision correction including eyeglasses (not for use on contact lenses), protective eyewear, goggles, light lens covers, optical instruments/implements.
- Hair clippers, cutting implements, plastic rollers, washable nail files.
- Hard hats, headphones.
- Kennels, kennel runs, cages, kennel/cage floors, conductive flooring, examination tables, x-ray tables.
- Hatchers, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, vans and trash containers, seed houses.
- Wrestling and gymnastic mats, athletic training tables, physical therapy tables.
- Crypton barrier fabric.
- Drinking fountains.

This product contains no phosphorous.

This product is a phosphate free formulation designed to provide effective cleaning, deodorizing and disinfection in areas where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces.

This product is an economical (ready to use) solution that can be used with a mop and bucket, trigger sprayers, or sponge.

This product can be applied through foaming apparatus, low-pressure sprayers, and fogging (wet misting) systems. Follow manufacturers' instructions when using this equipment.

Use this product on the multi-touch surfaces responsible for cross-contamination.

This product is for use as a disinfectant on hard, non-porous surfaces. A potable water rinse is required after application on food contact surfaces.

This is a proven one-step disinfectant, cleaner, sanitizer, fungicide, mildewstat, and virucide*.

This product meets AOAC efficacy standards for hard surface, non-food contact sanitizers.

This product is an effective one-step (ready-to-use) sanitizer-cleaner for use on non-food contact surfaces.

One-step cleaner.

Cleans and shines.

Antibacterial.

This product delivers non-acid disinfection performance in an economical, ready to use solution.

Cross-contamination is of major housekeeping concern. This product has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry.

Efficacy tests have demonstrated that this product is an effective bactericide, virucide and fungicide in the presence of organic soil (5% blood serum).

Effective sanitizer in the presence of 5% serum contamination. (This product is an effective disinfectant/sanitizer in the presence of 5% serum contamination.)

Effective sanitizer in the presence of soils. (This product is an effective sanitizer in the presence of soils.)

This product is for use in kitchens, bathrooms, and other household areas.

This product is a multi-surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.

This product can be used in work areas such as tool rooms and garages for odor control and light duty cleaning.

Great for use (on) (in) the (kitchen), (bathroom), (floors) and other household areas. Removes (eliminates) odors. Deodorizes. Will not harm most surfaces.

Will not harm most surfaces. For a cleaner, fresher household. Removes stains. Removes dirt. Non-staining. Clear formula.

Disinfects (and Sanitizes) kitchen surfaces (bathroom surfaces and floors). Sanitizes non-food contact kitchen surfaces (bathroom surfaces and floors). Kills germs. Kills household bacteria. A potable water rinse is required after application on food contact surfaces.

Kills common kitchen (bathroom) bacteria (and viruses*).

This detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants, food service establishments and other institutions where housekeeping is of prime importance.

This product (formulation) is a one step (ready to use) (hospital use) disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal*, fungicidal, and will inhibit the growth of mold and mildew and their odors when used as directed.

For larger areas such as operating rooms and patient care facilities, this product is designed to provide both general cleaning and disinfection.

Will not cause swelling of transducer membrane or harm compressor plates.

This product is a (versatile sanitizer and) broad-spectrum disinfectant formulated for use in Ultrasonic Baths (Ultrasonic cleaning units).

This product is a versatile cleaner, sanitizer and broad-spectrum disinfectant formulated for use on bath and therapy equipment (Whirlpools).

Kill Avian Influenza A on pre-cleaned environmental surfaces.

This product is a one-step disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1, HCV & HBV) and inhibits the growth of mold and mildew and their odors when used as directed.

Hospital use Disinfectant. Institutional Disinfectant (Sanitizer).

This product meets AOAC Use – Dilution Test Standards for hospital disinfectants.

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing (Duck) Hepatitis B Virus.

This product has passed the Virucidal Effectiveness Test using Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Human (and Canine) Coronavirus.

This product is a one-step (ready-to-use) (hospital-use) germicidal (disinfectant) cleaner and deodorant (odor-counteractant) (odor neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew on) (of) hard, non-porous environmental surfaces. This product cleans quickly by removing dirt, grime, mold, mildew, body oils, dead skin, blood and other organic matter commonly found in hospitals (and) (in health care facilities) (on medical surfaces), nursing homes, schools and colleges, (day care centers), (medical) offices, funeral homes, veterinary clinics, pet shops, (equine farms), animal life science laboratories, hotels, motels, public areas and restrooms, foodservice establishments (restaurants) and federally inspected meat and poultry establishments (food [processing] plants). It (also) eliminates odors leaving (restroom) surfaces smelling clean and fresh. Use where odors are a problem.

This product cleans, disinfects and deodorizes (hard, non-porous environmental hospital (medical) surfaces) in a one step ready-to-use formula (with no rinsing required). Its non-abrasive formula is designed for use on (Use daily on) (the following) hard, non-porous environmental surfaces: vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, brass, copper, laminated surfaces and baked enamel surfaces associated with floors, walls, ceilings, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets, toilet bowls, urinals, sinks found in (health care facilities [hospitals]), patient rooms, operating rooms, ICU areas, shower rooms, and locker rooms. It can also be used to pre-clean and disinfect (hospital items: wheelchairs, [hospital] [patient] bed rails and linings, wash basins, bed pans, medical equipment surfaces, food establishments, (restaurants), (commercial kitchens) & restrooms) any washable (food and non-food contact) surface (where disinfection is required). A potable water rinse is required when disinfecting food contact surfaces. Do not use on glasses, dishes, utensils, or interior surfaces of appliances.

This product is a disinfectant and non-food contact sanitizer for Cleanroom, and Laboratory areas to disinfect washable, hard, non-porous non-food contact surfaces such as: Laminar-airflow equipment and BioSafety Cabinet work surfaces and exterior surfaces including countertops, sinks, plumbing fixture surfaces, Incubators, Refrigerators and Centrifuge surfaces of metal, stainless steel, glass, plastic (such as polystyrene or polypropylene), Formica®, and vinyl.

Use this product to clean, sanitize and disinfect non-porous ambulance equipment and surfaces by rinsing all equipment that comes in prolonged contact with skin before

reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the ambulance equipment and surfaces that would necessitate replacement.)

Efficacy tests have demonstrated that this product is an effective bactericide, virucide and fungicide in the presence of organic soil (5% blood serum).

This product maximizes (improves) labor results by effectively controlling odors.

When used as directed, this product will deodorize surfaces in restroom and toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

This product controls (reduces) (eliminates) (neutralizes) (destroys) odors to make your home (kitchen) (bathroom) sanitary.

This product neutralizes musty odors and tough odors from smoke, pet accidents, and spills on contact.

This product is specially formulated to effectively eliminate offensive odors caused by mold and mildew.

This product is effective against household bacteria and odors caused by animal waste septic tank or sewage backup, smoke and bathroom and kitchen odors.

This product inhibits bacterial growth on moist surfaces and deodorizes by killing microorganisms that cause offensive odors. (Not for use in California)

This product is for use in household and commercial humidifiers. Use of this product will control unpleasant (malodors) odors.

This product is a one-step cleaner and deodorant (odor counteractant) (odor-neutralizer) designed for general cleaning, (and) disinfecting, (deodorizing) (and controlling mold and mildew) on hard, non-porous environmental surfaces.

This product cleans, disinfects and deodorizes surfaces by killing odor causing microorganisms and mold and mildew. Its non-abrasive formula is designed for use on (restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms, and locker rooms.

This product is effective at controlling mold and mildew on shower curtains.

This product provides long lasting freshness against tough (pet) odors such as odors from litter boxes and pet accidents.

This product cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

Eliminates odors caused by bacteria (and) (mildew) (and) (non-fresh foods). Kills odor causing bacteria in the kitchen (bathroom).

This product is for non-scratch cleaning of showers and tubs, shower doors and shower curtains, fixtures and toilet bowls.

This product will not leave a grit or soap scum.

This product is a no-rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.

Kills Trichophyton mentagrophytes (the agent that causes Athlete's Foot fungus) on bathroom surfaces.

This product is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities.

This product is a (concentrated) non-acid (bowl and) bathroom cleaner, which cleans, disinfects and deodorizes in one easy step. It cleans, disinfects and deodorizes surfaces by killing many odor-causing microorganisms and mold and mildew. Its non-abrasive formula is designed for use (Use daily) on ([hard, non-porous environmental] restroom surfaces): glazed ceramic (restroom) tile, glazed porcelain, chrome, stainless steel and plastic surfaces associated with floors, walls, fixtures, toilets, urinals, sinks, shower rooms and locker rooms.

Malodor(s) (Activity) (Odor) (Counteractancy) – eliminates (destroys) odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, and storage areas (and other places where bacterial growth can cause malodors).

This product is a versatile disinfectant/sanitizer for Veterinarian, Veterinary Practice, Animal Care, Animal Laboratory, and Agricultural and Farm Premise applications.

This product cleans by removing dirt, grime, mold, mildew, blood, urine, fecal matter and other common soils found in animal housing facilities, livestock, swine or poultry facilities, grooming facilities, farms, kennels, pet stores, veterinary clinics, laboratories or other small animal facilities. It (also) eliminates odors leaving surfaces smelling clean and fresh.

This product can be used to disinfect, clean and deodorize terrarium and small animal cages, hot rock, substrate and cage furniture (plastic terrarium ornaments, driftwood, heat caves and water dishes). (Use on rocks and driftwood not allowed in California)

This product has passed the Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Canine Coronavirus.

This product cleans, disinfects and deodorizes (hard, non-porous environmental surfaces) in one step. Its non-abrasive formula is designed for use on (Use daily on) (Use daily to clean and disinfect) (hard, non-porous surfaces): plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces (associated with floors, walls, countertops, cages, kennels, animal equipment) found in (barns, pens and stalls) animal housing facilities.

This product has been designed for veterinarians, animal groomers, hair stylists, barbers and beauticians, for use in disinfecting and maintaining clippers. It acts as a virucide and bactericide while also cleaning. Regular use will help to maintain blades that operate with reduced friction and with smoother clipping action. Will help to prolong equipment life. This product is designed for use in pet salons, animal hospitals, barber and beauty shops. When used as directed it will disinfect metal clipper blades as well as many other hard, non-porous surfaces.

This product cleans rodent soiled areas.

This product is for use in Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is for use in Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and green houses.

When used as directed, this product will disinfect hard, non-porous surfaces, such as flower buckets, floors and walls of coolers, design and packing benches, and countertops.

This product can be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

Use this product to clean, disinfect and deodorize flower buckets, walls, floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.

This product can be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, green house packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause: (Not for use in California)

1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, baby's breath, sweet peas, freesia and alstroemeria.

Use this product to disinfect non-porous salon/barber tools and instruments: (such as) combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and manicure/pedicure instruments and footbath surfaces.

Use this product to disinfect/sanitize non-porous salon/barber tools and instruments: (such as) combs, clippers, plastic rollers, brushes, trimmers, razors, scissors, blades, tweezers, and manicure/pedicure instruments.

Use this product to clean, sanitize and disinfectant non-porous personal protective safety equipment, protective headgear, athletic helmets, wrestling/boxing headgear, athletic shoe soles, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Precaution: Cleaning at 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)

Use to clean and disinfect non-medical (i.e. industrial and fire fighting) respirators in industrial, commercial and institutional premises.

Use (on) (to clean and disinfect) non-porous athletic mats, wrestling mats, gymnastic mats, exercise equipment and training tables.

Floor cleaner.

This product is formulated to provide effective cleaning strength that will not dull high gloss floor finishes with repeated use.

This product provides effective cleaning strength that will not dull most metal-interlock floor finishes, and does not require a rinse prior to recoat.

Controls the growth of odor-causing and slime-forming bacteria used in waterbed uses. Prevents bubbles, preserves plasticizers, conditions vinyl interior, sequesters minerals.

Cleans everyday kitchen messes.

Cleans non-food contact kitchen surfaces and food preparation areas.

Cleans everyday kitchen messes like dirt, grease and food stains. Cuts through tough grease and grime.

For use in:

Federally inspected meat and poultry plants on all hard, non-porous surfaces in inedible product processing areas, non-processing areas and/or exterior areas. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a floor and wall cleaner for use in all departments. Food products and packaging material must be removed from the room or carefully protected. All surfaces must be thoroughly rinsed with potable water.

Federally inspected meat and poultry plants as a disinfectant agent for use in all departments. Food products and packaging material must be removed from the room or carefully protected. Use product in accordance with its label. All surfaces must be thoroughly rinsed with potable water.

Escherichia coli (E. coli), *Salmonella enterica* (Salmonella), and *Staphylococcus aureus* (Staph) are common bacteria found where food is prepared and stored. This product kills these bacteria and helps prevent the spread of food borne contamination on treated kitchen surfaces listed on this label. A potable water rinse is required after application on food contact surfaces. This product is not for use on dishes, glassware or eating utensils.

This product cleans by removing dirt, grime and food soils in food preparation and processing areas. Its non-abrasive formula will not harm (scratch) surfaces. It cleans, disinfects and eliminates odors leaving surfaces smelling clean and fresh. Use where odors are a problem.

This product is effective against the control of small flies on non-food contact surfaces such as floors, walls, drains, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas.

Use this product on finished floors, high speed burnished floors, conductive flooring, washable walls, tables, chairs, bathroom bowls, sinks, basins, shower stalls, tubs, glazed tiles, toilet, countertops, stove tops, exterior surfaces of appliances and refrigerators, cabinets, garbage cans, outdoor furniture (except cushions and wood frames), desks, telephones, door knobs and handles, and glass surfaces including windows and mirrors.

Disinfects, cleans, and deodorizes the following hard, non-porous inanimate surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.).

Its non-abrasive formula is designed for use on (Use daily on) (hard, non-porous environmental surfaces): vinyl, painted surfaces, plastic (surfaces), glazed ceramic, glazed porcelain, chrome, stainless steel, aluminum, brass, copper, laminated surfaces and baked enamel surfaces (associated with floors, walls, ceiling, tables, chairs, countertops, telephones, fixtures, glazed tile, toilets (toilet bowls), urinals, sinks found in food establishments, (restaurants), (commercial kitchens) & restrooms, shower rooms and locker rooms (areas) – any washable (food and non-food contact) surface where disinfection is required. This product's non-dulling formula eliminates the time and labor normally required for rinsing. A potable water rinse is required for food contact surfaces. Do not use this product to clean or disinfect utensils, glassware, dishes or interior surfaces of appliances.

- Concentrate (Concentrated).
- Neutral (Neutral pH).
- Disinfects (Disinfectant).
- Cleans (Cleaner).

- Deodorizes (Deodorizer).

For use in households.

This product is a complete, chemically balanced disinfectant/sanitizer that provides a clear solution even in the presence of hard water.

Will not harm sealed stone, sealed grout, or glazed tile.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DISINFECTION IN INSTITUTIONS (Hospitals, Dental Offices, Nursing Homes, and Other Health Care Institutions) and NON-MEDICAL FACILITIES (Households, Schools, Restaurants, Food Services, Beverage and Food Processing Plants and Other Non-Medical Facilities): This product is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against the following organisms. Treated surfaces must remain wet for 10 minutes.

Burkholderia cepacia
Campylobacter jejuni (ATCC 29428)
Corynebacterium ammoniagenes (ATCC 6871)
Enterobacter aerogenes (ATCC 13048)
Enterobacteriaceae (with extended beta-lactamase resistance)
Enterobacter cloacae
Enterococcus faecalis (ATCC 19433)
Enterococcus faecium (Vancomycin resistant)
Escherichia coli (ATCC 11229)
Escherichia coli (Antibiotic resistant)
Escherichia coli 0157:H7
Klebsiella pneumoniae (ATCC 13883)
Klebsiella pneumoniae (Antibiotic resistant)
Legionella pneumophila
Listeria monocytogenes (ATCC 984)
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa (ATCC 15442)
Pseudomonas aeruginosa (Antibiotic resistant)
Salmonella enterica (ATCC 10708)
Salmonella schottmuelleri (ATCC 8759)
Salmonella typhi (ATCC 6539)
Serratia marcescens (ATCC 43861)
Shigella dysenteriae (ATCC 9361)
Shigella flexneri
Shigella sonnei
Staphylococcus aureus (ATCC 6538)
Community Acquired Methicillin Resistant *Staphylococcus aureus* (CA MRSA)
Staphylococcus aureus (Methicillin resistant) (ATCC 33591)
Staphylococcus epidermidis (Antibiotic resistant)
Streptococcus pyogenes (ATCC 19615)
Vibrio cholerae

FOR SCHOOLS, INDUSTRY AND NON-MEDICAL INSTITUTIONAL USES: This product delivers cleaning and germicidal effectiveness. Treated surfaces must remain wet for 10 minutes, then allow to air dry or wipe. For heavily soiled areas, a preliminary cleaning is required. Apply product undiluted and replace if product becomes soiled. It is effective against *Staphylococcus aureus*, *Salmonella enterica*, *Escherichia coli* and *Serratia marcescens*. The same AOAC tests used to confirm performance for hospitals were used.

VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a preliminary cleaning is required.

Avian influenza A/Turkey/Wisconsin (ATCC VR798)
Hantavirus
Herpes Simplex Type1 (ATCC VR260)
Herpes Simplex Type2 (ATCC VR734)
Hepatitis C virus
Hepatitis B virus
Human Coronavirus
Influenza A/Brazil Virus
Respiratory syncytial virus
Vaccinia virus

This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 2 minutes.

HIV-1 (AIDS virus)

NON-FOOD CONTACT SANITIZING PERFORMANCE: This product is an effective sanitizer on hard, non-porous environmental surfaces. Treated surfaces must remain wet for 5 minutes. Allow to air dry.

Enterobacter aerogenes (ATCC 13048)
Klebsiella pneumoniae (ATCC 4352)
Staphylococcus aureus (ATCC 6538)

FUNGICIDAL PERFORMANCE: This product is effective on hard, non-porous surfaces against the following organisms. Treated surfaces must remain wet for 10 minutes.

Candida albicans
Trichophyton mentagrophytes

MOLD AND MILDEW CONTROL DIRECTIONS: This product is effective on hard, non-porous surfaces against the following organism. Treated surfaces must remain wet for 10 minutes.

Aspergillus niger

CLEANING AND DISINFECTION: Apply undiluted (ready-to-use) solution with a mop, cloth, sponge or coarse spray device so as to wet all surfaces thoroughly. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray. Allow surfaces to remain wet for 10 minutes. Allow to air dry or wipe up excess liquid.

(OR)

FOR USE AS A ONE-STEP CLEANER/DISINFECTANT:

1. Pre-clean heavily soiled areas.
2. Apply undiluted solution to hard, non-porous environmental surfaces.
3. To disinfect, all surfaces must remain wet for ten (10) minutes.
4. Wipe surfaces (and let air dry).

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

DISINFECTION DIRECTIONS: Apply this product undiluted to walls, floors and other hard, (inanimate) non-porous surfaces such as Crypton barrier fabric, tables, chairs, countertops, sinks, glazed tile, glazed porcelain and bed frames with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. Treated surfaces must

remain wet for 10 minutes. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Rinse with potable water after use on surfaces that come in contact with food.

Note: With spray applications cover or remove all food products. Apply product undiluted and replace if product becomes soiled.

For heavily soiled areas, a preliminary cleaning is required. Then wipe excess with sponge, mop or cloth or allow to air dry.

OR

Apply this product to hard, inanimate, non-porous surfaces with a cloth, mop or mechanical spray device. For heavily soiled areas, a preliminary cleaning is required. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes.

Note: With spray applications cover or remove all food products.

FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A: For use in homes, hospitals, hotels, motels and schools, follow the disinfection. (OR) For use in animal housing facilities follow the animal premise directions.

TO SANITIZE (AND DEODORIZE): Apply undiluted use solution to hard, inanimate, non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Let stand for 5 minutes. Then wipe. Allow to air dry.

Note: With spray applications cover or remove all food products.

HOSPITAL/HEALTH CARE

(Note for reviewer: For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used:)

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or, (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(Or use the following language if not used on medical devices or medical equipment)

Not for use on medical devices or medical equipment surfaces.

HOSPITALS, DENTAL OFFICES, NURSING HOMES AND OTHER HEALTH CARE INSTITUTIONS: For disinfecting floors, walls, countertops, bathing areas, lavatories, bed frames, tables, chairs, garbage pails and other hard, non-porous surfaces.

HOSPITAL DISINFECTANT DIRECTIONS: Apply undiluted (ready-to-use) use solution to hard, inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For sprayer applications, use a coarse spray device. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Rinse or allow to air dry.

Note: With spray applications cover or remove all food products. For heavily soiled areas, a preliminary cleaning is required.

HEPATITIS B VIRUS: This product was proven to be effective against (Duck) Hepatitis B Virus with a contact time of 10 minutes.

HEPATITIS C VIRUS: With a 10 minute contact time, this product was found to be effective against Bovine viral diarrhea virus (BVDV) (Surrogate for human Hepatitis C virus).

HIV (AIDS VIRUS): With a 2 minute contact time, this product was found to be effective against HIV-1 (AIDS virus).

***KILLS HIV, HCV AND HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

"SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HCV AND HBV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS."

Personal Protection: Clean up must always be done wearing protective latex gloves, gowns, masks and eye protection. (Alternate statement: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.)

Cleaning Procedure: Blood and other body fluids (containing HIV-1, HBV & HCV) must be thoroughly cleaned from surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Leave surface wet for 2 minutes with undiluted solution. This contact time will not control other common type of viruses and bacteria listed on this label. To be effective against Hepatitis B and Hepatitis C virus a 10 minute contact time is required.

(OR)

For HIV, leave surfaces wet for two minutes. This contact time will not control other common types of viruses and bacteria. For HBV, leave surfaces wet for 10 minutes. For HCV, leave surfaces wet for 10 minutes.

SURGICAL INSTRUMENT PRESOAK: Pour undiluted (ready-to-use) solution into container. Place pre-cleaned instruments in solution to presoak surgical instruments for a minimum of 10 minutes, then proceed with normal sterilization procedure.

Note: Plastic instruments can remain immersed until ready to use. Metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Sterilization of instruments is required before use. Prolonged soaking can cause damage to metal instruments.

ULTRASONIC BATH DISINFECTANT/FUNGICIDE DIRECTIONS: Use this product to disinfectant hard (inanimate) non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh undiluted solution directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufactures' use directions. Remove objects and wash (rinse) with sterile water (sterile water for injection) or allow to air dry. Use fresh solution for each application.

FOR DISINFECTING/FUNGICIDE HARD NON-POROUS (FIBERGLASS) BATH AND THERAPY EQUIPMENT: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the unit, drain the water from the unit. Apply this product undiluted. Wash down the unit sides, seat of the chair lift, and any/all related equipment with a clean swab, brush or sponge. Product to surface contact time must be at least 10 minutes for proper disinfection. After the unit has been thoroughly disinfected, drain any solution from the unit and rinse any/all cleaned surfaces with fresh water. The unit is ready for reuse.

CLEANING AND DISINFECTING HARD, NON-POROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pre-clean equipment if heavily soiled to ensure proper surface contact. Apply undiluted solution to hard, non-porous surfaces of the respirator with a brush, coarse spray device, sponge or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for ten (10) minutes. Remove excess solution from equipment prior to storage. The user must comply with all OSHA regulations for cleaning respiratory protection equipment (29 CFR § 1910.134).

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN INSTITUTIONAL FACILITIES

ULTRASONIC BATH SANITIZING DIRECTIONS: Use this product to sanitize hard (inanimate) non-porous, non-critical objects compatible with Ultrasonic cleaning units. Pour fresh undiluted solution directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufactures' use directions. Remove objects and wash (rinse) with sterile water (sterile water for injection) or allow to air dry. Use fresh solution for each application.

Note: This product in its use solution is compatible with stainless steel, aluminum and most other surfaces. Before product use, it is recommended that you apply product to a smaller test area to determine compatibility before proceeding with its use.

FOOD PROCESSING PREMISES

Before using this product, food products and packaging materials must be removed from the room or carefully protected. After use, all surfaces in the area must be thoroughly rinsed with potable water.

OR

Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from room or carefully protected. A potable water rinse is required.

DIRECTIONS FOR FOOD PROCESSING PLANTS: For use on non-food contact surfaces such as floors, walls, tables, garbage cans and disposal areas. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Follow Disinfection directions.

DIRECTIONS FOR FOOD STORAGE AREAS: For use on non-food contact surfaces such as shelves, floors, walls and tables. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Then follow Disinfection directions.

FOR USE AS A CLEANER/DISINFECTANT IN FOOD PROCESSING PLANTS:

1. Before using this product in food processing areas, food products and packaging materials must be removed from the room or carefully protected.
2. Apply undiluted solution evenly over surface using a cloth, mop, sponge or coarse spray device. Be sure to wet all surfaces thoroughly. Do not breathe spray.
3. Allow product to remain on surface for ten (10) minutes.
4. Wipe with clean cloth, sponge or paper towel.

5. For heavily soiled areas, thoroughly clean surface prior to disinfecting.
6. When disinfecting food contact surfaces used for food preparation, rinse surfaces thoroughly with potable water. This product must not be used to clean the following surfaces: utensils, glassware and dishes.

TO DISINFECT FOOD-PROCESSING AND TOBACCO PREMISE: Before using this product, food products and packaging materials must be removed from area or carefully protected. For use on floors, walls and storage areas. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES: (For) countertops, exterior surfaces of appliances, and tables. Before using this product, food products and packaging materials must be removed from area or carefully protected. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water. After use, all surfaces in the area must be thoroughly rinsed with potable water. This product is not for use on dishes, glassware, interior surfaces of appliances or eating utensils.

FOR USE ON NON-FOOD CONTACT SURFACES AS A GENERAL DISINFECTANT IN THE BREWERY INDUSTRY: Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Follow the general disinfectant directions above.

DISINFECTING POTATO STORAGE AREA AND EQUIPMENT: Remove all potatoes prior to disinfection of potato storage area and equipment. Pre-clean hard surfaces by removing heavy soils or gross filth. Follow general disinfecting directions as outlined in that section. All treated surfaces must be thoroughly rinsed with potable water prior to reuse.

FOR CONTROL OF THE DROSOPHILA SPP. AND PHORIDAE FAMILY OF FLIES ON NON-FOOD CONTACT SURFACES: To control flies on non-food contact surfaces such as floors, walls, countertops, metal surfaces, painted surfaces, glazed porcelain, glazed tile, glass, chrome, rubber, and plastic in restaurants, kitchens, dishwashing areas, and bar and wait station areas. Remove food and food packaging prior to use. Cover exposed food-handling surfaces. After removing gross filth, apply undiluted solution to surfaces and locations where flies breed. Spray surfaces thoroughly or apply by pouring, mopping or sponging onto the surface. Repeat application 1-2 times per week or as needed. Do not contaminate food and food packaging.

FOR CONTROL OF SMALL FLIES IN DRAINS: For control of small flies: *Drosophila* spp. and the *Phoridae* family. Spray or pour undiluted solution into drain during time of lowest level of drain use. Add 14 ounces of solution daily to each drain to maintain fly control. Apply around the edge of the drain and coat all sides of inside of drain.

SANITIZING NON-FOOD CONTACT SURFACE DIRECTIONS IN FOOD PROCESSING FACILITIES

SHOE (BOOT) BATH SANITIZER DIRECTIONS: To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants, shoe baths containing one inch of fresh undiluted solution must be placed at all entrances to buildings, hatcheries and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and place in solution for 5 minutes prior to entering area.

Change the sanitizing solution in the bath at least daily or sooner if solution appears dirty.

SHOE FOAM DIRECTIONS: To prevent cross contamination from area to area in animal areas, and the packaging and storage areas of food plants. Apply a foam layer approximately 0.5 to 2 inches thick of undiluted solution at all entrances to buildings, hatcheries, production and packaging rooms by using a foam generating machine or aerator to apply foam layer. Follow the foaming directions as specified by the manufacture of the foam generator/aerator. Scrape waterproof shoes. Stand and/or walk through foamed area for 5 minutes prior to entering area. Foam area must be washed and replaced at least daily or when it appears dirty.

(For food processing or other facilities that have installed entryway sanitizing systems.)

ENTRYWAY SANITIZING SYSTEMS: To prevent cross contamination from area to area, set the system to deliver undiluted sanitizing solution. The (spray) (foam) must cover the entire path of the doorway. Set the system so that a continuous wet blanket of sanitizer solution is delivered to the floor.

Do not mix other foam additives to the sanitizing solution.

MUSHROOM FARM INDUSTRY USE DIRECTIONS

This product is effective against:

Dactylium dendroides (ATCC 6676)

Site Preparation: The first step in any ongoing sanitation program should be the removal of gross contamination and debris. This can be accomplished by using a shovel, broom, or vacuum, depending on the area to be disinfected.

Disinfection: Wet all surfaces thoroughly. Treated surfaces must be allowed to remain wet for 10 minutes. Let air-dry. For heavily soiled areas, pre-clean first. Use a fresh solution for each use.

For Heavy Duty Cleaning: When greater cleaning is desired, heavily soiled areas will require repeated cleaning before treatment.

DO NOT APPLY TO THE MUSHROOM CROP, COMPOST OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost or casing.

ANIMAL PREMISES

ANIMAL VIRUCIDAL* PERFORMANCE: This product was evaluated and found to be effective against the following viruses on inanimate hard non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a preliminary cleaning is required.

Avian influenza A/Turkey/Wisconsin (ATCC VR798)

Canine Distemper

Canine Coronavirus

Infectious Bovine Rhinotracheitis virus (IBR) (ATCC VR188)

Newcastle disease virus (ATCC VR109)

Porcine Respiratory & Reproductive Virus (PRRSV)

Porcine Rotavirus

Pseudorabies virus (ATCC VR135)

Transmissible Gastroenteritis (TGE)

SITE PREPARATION: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION: Remove all animals and feeds from areas to be treated, vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

VETERINARY PRACTICE (CLINICS)/ANIMAL CARE FACILITIES/ANIMAL LABORATORY/ANIMAL LIFE SCIENCE LABORATORY/ANIMAL RESEARCH CENTERS/ANIMAL QUARTANTINE AREAS/ZOOS/PET SHOP/KENNELS/ANIMAL HUSBANDRY/ANIMAL BREEDING FACILITIES/BREEDING AND GROOMING ESTABLISHMENT/TACK SHOPS DISINFECTION DIRECTIONS: For cleaning and disinfecting the following hard, non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from areas to be treated, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed set or dried. Thoroughly scrub all treated feed racks, automatic feeders, waterers and other equipment that dispenses food or water with soap or detergent and rinse with potable water before reuse.

SPECIAL INSTRUCTIONS FOR CLEANING AND DISINFECTING AREAS WHICH MAY BE INFESTED WITH HANTAVIRUS

Infection with Hantavirus occurs by inhalation of infectious materials. CDC recommends that persons involved with cleanup must wear coveralls, (disposable, if possible), rubber boots or disposable shoe covers, rubber or plastic gloves, protective goggles, and a half mask air purifying, negative pressure respirator with a high efficiency particulate air (HEPA) filter respirator or a powered air-purifying respirator (PAPR) with HEPA filter. Disinfect Personal Protective gear upon removal at the end of the day. If the coveralls are not disposable, they must be laundered on site. If no laundry facilities are available, the coveralls must be immersed in liquid disinfectant until they can be washed.

All potentially infective waste material (including respirator filter) from cleanup operations that cannot be burned or deep buried on site must be double bagged in appropriate plastic bags. The bagged material must then be labeled as infectious (if it is to be transported) and disposed of in accordance with local requirements for infectious waste.

Rodent droppings and visible dust may be reservoirs for Hantavirus. If you are cleaning out a building that has been closed up, such as a cabin, shed or garage:

1. Air out the building for at least 30 minutes by opening windows and doors.
2. Leave the building while it is airing out.
3. Do not vacuum, sweep or dust. This can spread the virus through the air.

4. Thoroughly wet the contaminated areas with the product and allow solution to stand undisturbed for contact time specified by the manufacturer's label.
5. Carefully remove contaminated material and dispose by burial or burning. Contact your local and state health department for additional disposal methods.
6. Treat the surface again following the manufacturer's label directions and allow solution to stand undisturbed for 10 minutes.

DRESSING AND RENDERING PLANT USE (RENDERING PLANT/DRESSING PLANT) DISINFECTANT DIRECTIONS: Cover or remove all food and packaging materials. Remove all gross soils. Disinfect walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Saturate all surfaces with undiluted solution. Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

RENDERING PLANT/DRESSING PLANT DISINFECTANT/FUNGICIDE/VIRUCIDE DIRECTIONS: Cover or remove all food packaging material before disinfection. Remove gross soils. Apply to walls and floors in poultry and animal dressing plants with undiluted solution. All surfaces must remain wet for 10 minutes. Disinfect all rooms, exterior walls and loading platforms of dressing plants. Thoroughly rinse all wetted and cleaned surfaces with potable water.

TERRARIUM AND SMALL ANIMAL CAGE AND CAGE FURNITURE DISINFECTION: Animals frequently defecate on hot rocks and other cage furniture items inside your terrarium. This can result in high bacteria and ammonia levels that can lead to possible infection/disease in your animals. When used regularly this product can eliminate these high bacteria/ammonia levels in your cage and on your cage furniture items. *(Use on rocks and driftwood not allowed in California)*

1. Remove all animals.
2. Thoroughly clean all surfaces and objects (hot rocks, caves, cage furniture, feeding and watering dishes, and appliances) including the substrate in the terrarium or cage with soap or detergent and rinse with water.
3. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with undiluted solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet. Then wipe surfaces dry.
4. Saturate gravel as above and let stand for 10 minutes. Place in bucket of clean water and swirl for 15-30 seconds. Thoroughly air dry before returning to terrarium.
5. Do not return animals to the habitat until it is dry and ventilated.
6. Thoroughly scrub all treated surfaces with soap or detergent and rinse with potable water before reuse.
7. Clean terrarium at least once weekly or more as needed.

Note: Do not apply this product directly onto the small animal. If this product comes into contact with the small animal's skin, then immediately wash the material off of the animal with lukewarm water. If the small animal ingests this product, contact your veterinarian immediately. Substrates for desert terrariums (i.e. gravel) must be completely dry before returning to terrarium to avoid high humidity levels. Always replace substrate if a foul odor persists.

REPTILE TANK CLEANING AND DISINFECTION DIRECTIONS: Remove all reptiles from the enclosure (tank) prior to cleaning and disinfecting. Remove all litter or droppings from surfaces. Empty all equipment used for feeding or watering reptiles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply the disinfecting and virucidal (ready-to-use) (undiluted) solution to the surfaces of the enclosure (tank) until thoroughly wet. Allow surfaces to remain wet for 10 minutes. Wipe dry. Rinse all surfaces that come in contact with food with potable water before reuse.

Allow the enclosure (tank) to ventilate for a minimum of 10-15 minutes before replacing the reptiles.

Note: Do not apply this product directly onto the reptile. If this product comes into contact with the reptile's skin, then immediately wash the material off of the animal with lukewarm water. If the reptile ingests this product, contact your veterinarian immediately.

FARM PREMISE USE: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from areas to be treated, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with undiluted product and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

(OR)

FARM PREMISE DISINFECTION DIRECTIONS

FOR USE IN EQUINE, DAIRY AND HOG FARMS:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with undiluted product for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

VEAL, CALVING, HOG, CATTLE AND HORSE OPERATIONS: Between depopulations of facilities, cleaning and disinfection of pens, hutches, aisles and other environmental surfaces can be required. Flush soils from these areas. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with undiluted solution and allow to remain wet for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

FOR USE FOR TREATMENT OF ANIMAL HOUSING FACILITIES:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, stalls, stables, chutes and other facilities and fixtures occupied or traversed by animals.

3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces (floors, walls, cages and other washable hard, non-porous environmental surfaces) with undiluted solution for a period of 10 minutes. For smaller surfaces, use a trigger spray bottle to spray all surfaces with solution until wet.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

POULTRY (AND SWINE) PREMISE SANITATION

Site Preparation: The first step in any on-going sanitation program should be the removal of gross contamination and debris. This can be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated thoroughly clean all surfaces with soap or detergent and rinse with water.

APPLICATION: Remove all animals and feeds from areas to be treated, vehicles (trucks, cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

DISINFECTION OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS:

Prior to disinfection, remove all poultry, other animals and their feed from areas to be treated, vehicles (trucks and cars), and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

DISINFECTION/FUNGICIDE/VIRUCIDE OF POULTRY/TURKEY EQUIPMENT, SWINE QUARTERS, LIVESTOCK FARMS, EQUINE QUARTERS, ANIMAL QUARTERS AND KENNELS DIRECTIONS: Remove all animals and feeds from areas to be treated, vehicles (trucks and cars) and enclosures (coops, crates, kennels, stables). Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by poultry or other animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

After application, ventilate buildings, coops and other closed spaces. Do not house poultry or other animals or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water (racks, troughs, automatic feeders, fountains and waterers) must be thoroughly scrubbed with soap or detergent, then rinsed with potable water before reuse.

HATCHERIES: Use this product undiluted to treat the following hard, non-porous surfaces: hatches, setters, trays, racks, egg flats, walls, floors, ceilings, chickboxes, egg cases, trash containers, carts, sexing tables, delivery trucks, vans and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. For sprayer applications, use a coarse spray device. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Allow to air dry.

FOR USE IN LIVESTOCK, POULTRY AND TURKEY HOUSES:

1. Remove all animals and feed from areas to be treated, vehicles and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barn, pens, (stalls), chutes and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with undiluted solution for a period of 10 minutes.
6. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure.
7. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set and dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

DISINFECTANT DIRECTIONS FOR CHICK VANS, EGG TRUCKS HATCHERY and FARM VEHICLES: Clean all vehicles including mats, crates, cabs, and wheels with high-pressure water and this product. Use this product undiluted to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. For sprayer applications, use a coarse spray device.

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES OF AUTOMATED TRAY, RACK AND BUGGY WASHERS: Remove all litter and manure from surfaces to be treated. Treat hard non-

porous, non-food contact surfaces of automated trays, racks and buggy washers with this undiluted solution for 10 minutes. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Change the disinfecting solution at least daily or when solution appears dirty.

DISINFECTANT/VIRUCIDAL* DIRECTIONS TO TREAT HARD NON-POROUS, NON-FOOD CONTACT SURFACES IN EGG RECEIVING AND EGG HOLDING AREAS: Remove all litter and manure from surfaces to be treated. Saturate hard non-porous, non-food surfaces with this undiluted solution for a period of 10 minutes. Apply by mop, brush or sprayer. Thoroughly clean all surfaces with soap or detergent and rinse with water before reuse. Change the disinfecting solution at least daily or when solution appears dirty.

MEAT PACKING PLANTS: Use this undiluted product to disinfect hard, non-porous surfaces associated with the following sites: livestock vehicles and holding pens, perceiving areas and delivery chutes, slaughter areas and conveyors, hand, rub and guide rails, post knock cabinets, stands and flooring surfaces, chains and moving process lines, surfaces of equipment for hide operations consisting of brine curing, hide transfer bin surfaces, chutes, conveyors, tallow and animal feed production hard, non-porous surfaces, processed products and offal equipment surfaces, fabrication and processing areas covering cold storage areas, all stainless steel cut out and prep tables, counter tops, conveyors, chains, tables, floors, walls and all stainless surfaces. For application, saturate all surfaces with undiluted solution and scrub to loosen all soils. Surfaces must remain wet for 10 minutes, then thoroughly rinsed with potable water before operations are resumed. All treated equipment that will contact animal feed or food surfaces must be thoroughly scrubbed with soap or detergent then rinsed with potable water before reuse.

HIDE/LEATHER PROCESSING PLANTS: To use as a disinfectant/fungicide on hard, non-porous surfaces, apply this undiluted solution. The product can be used on hide storage bins, holding tanks, chill tanks, serpentine tanks and chains, machine and tannery equipment surfaces, conveyors and trolleys, hide press, grading and storage areas and scales, etc. Pre-clean all surfaces prior to use to remove gross soils. Thoroughly wet all hard, non-porous surfaces by evenly applying the use solution. Apply use solution with a cloth, mop, sponge, sprayer or by immersion, thoroughly wetting surfaces. For sprayer applications, use a coarse spray device at 6-8" from surfaces. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Wipe dry or allow to air dry.

SPECIAL INSTRUCTIONS FOR INACTIVATING AVIAN INFLUENZA A: Remove all poultry and feeds from areas to be treated, trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

**SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES
IN ANIMAL PREMISES**

TO SANITIZE HOOF TRIMMING EQUIPMENT: Prior to application, pre-clean hoof trimming equipment and utensils before and after use on each animal with detergent

and warm water or compatible cleaner to remove soil using a pre-scrape, pre-flush, or when necessary, pre-soak followed by a potable water rinse. Apply undiluted solution to pre-cleaned hard surfaces using a cloth, mop, sponge or sprayer or by immersion to thoroughly wet surfaces. Allow surfaces to remain wet for at least 5 minutes followed by adequate draining or air drying. Prepare fresh solution at least daily or when solution becomes visibly dirty.

BARBER/SALON

DISINFECTION/FUNGICIDE/VIRUCIDE FOR BARBER/SALON TOOLS DIRECTIONS: Immerse pre-cleaned barber/salon tools, such as combs, brushes, razors, manicure/pedicure tools, clippers, tweezers, clipper and trimmer blades, and scissors, in undiluted solution. Completely immerse instruments and tools for at least 10 minutes. Rinse thoroughly and dry before use. Use product undiluted and replace if product becomes soiled.

(OR)

FOR USE TO CLEAN AND DISINFECT BARBER AND BEAUTY/MANICURE INSTRUMENTS AND TOOLS:

1. Pre-clean heavily soiled items.
2. Completely immerse pre-cleaned combs, scissors, clipper blades, razors, manicure implements and other non-porous instruments in undiluted solution so that surfaces remain wet for ten (10) minutes.
3. Rinse surfaces thoroughly and let air dry before reuse.
4. Change solution at least daily or sooner if visibly dirty.

(OR)

DISINFECTING/FUNGICIDE/VIRUCIDE GROOMING CLIPPERS: Turn the clipper off occasionally during use and spray between the teeth of blades with undiluted solution. Allow surface to remain wet for at least 10 minutes. Remove hair, dandruff and dust particles prior to disinfecting the blades.

(OR)

CLEANING HAIR CLIPPERS AND ELECTRIC SHEARS: While clipper/shear is running, hold in the downward position and spray undiluted solution directly onto the blades two or three times to thoroughly wet the blades. Do not spray on the clipper case or drip into clipper housing. Turn off clipper/shear. Allow surface to remain wet for at least 10 minutes. Then wipe dry with a clean soft cloth. Lubricate as per clipper/shear manufacturer's instructions.

(OR)

CLEANING BARBER/SALON SHEARS AND OTHER IMPLEMENTS: Spray shear/implement until thoroughly wet. Wipe away visible debris using a soft bristle brush or cloth. Immerse pre-cleaned shear/implement into a container of this undiluted solution for at least 10 minutes. Remove shear/implement and wipe dry. No rinsing is necessary. Use fresh solution at least daily or when immersion tank (bowl) (sink) solution becomes diluted or visibly soiled.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

DISINFECTION/FUNGICIDE/VIRUCIDE OF HARD, NON-POROUS SURFACES IN FOOTBATHS: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the footbath, drain the water and thoroughly clean all hard, non-porous surfaces with soap or detergent, then rinse with water. Using undiluted solution to saturate exposed surfaces with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow solution to stand for 10 minutes. For spray applications, use a coarse spray device. Do not breathe spray. After the unit has been

thoroughly disinfected, rinse all cleaned surfaces with fresh water. Do not breathe spray. Do not use equipment until treatment has been absorbed, set or dried.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES IN BARBER/SALON FACILITIES

SALON/BARBER INSTRUMENTS AND TOOLS SANITIZER DIRECTIONS: Pre-clean soiled instruments and tools. Completely immerse water safe non-porous instruments and tools in undiluted solution of this product for at least 5 minutes. Rinse thoroughly and dry before use. Apply product undiluted and replace if product becomes soiled.

Note: Plastic instruments can remain immersed until ready to use. Stainless steel shears and metal instruments must be removed after 10 minutes, rinsed, dried, and kept in a clean non-contaminated receptacle. Prolonged soaking will cause damage to metal instruments.

RESTROOM/BATHROOM

NON-ACID TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS
Remove gross filth prior to disinfection.

Remove water from the toilet bowl. Apply 1-2 ounces of undiluted solution to the toilet bowl. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop, or sponge. Allow to stand for 10 minutes and flush.

FOR USE AS A NON-ACID BOWL CLEANER/DISINFECTANT IN TOILET BOWLS:

1. Pre-clean heavily soiled areas.
2. Remove water from toilet bowl.
3. Add 1-2 ounces of undiluted solution into toilet bowl.
4. Swab entire surface area especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.

(Or use alternate Use directions)

TOILET BOWLS/URINALS: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying undiluted solution around the bowl and up under the rim. Stubborn stains can require brushing. To disinfect, first pre-clean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in 1-2 oz. of undiluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

(Or use alternate Use directions)

DISINFECTION AND CLEANING TOILET BOWLS AND URINALS:

1. With a swab mop applicator, remove water from bowl by forcing out trap. Preliminary cleaning is required for heavily soiled surfaces.
2. Press swab mop against side of bowl to remove excess water from applicator.
3. Apply 1-2 oz. of this product evenly onto surface to be cleaned and disinfected.
4. Swab entire surface area especially under the rim where outlets are located.
5. Allow this product to remain wet on surfaces at least 10 minutes.
6. Flush toilet and rinse applicator thoroughly.

(Or)

GENERAL CLEANING TOILET BOWL: Apply (Open cap) (Squeeze gently, directing) 1-2 ounces of bowl cleaner under the rim and on sides of bowl (inside only). Brush, clean and flush toilet. (Close cap). Rinse brush with clean water. Do not use on any other surfaces including toilet seat, toilet lid, countertops, tubs and sinks. Do not allow solution to remain on surfaces without immediately rinsing thoroughly with water.

(Or)

TO CLEAN AND DISINFECT: A preliminary cleaning is required for the removal of heavy soil prior to disinfection. Fill toilet bowl with clean water. Saturate mop with 1-2 ounces of this product while holding bottle and mop applicator over bowl. Swab bowl

completely making sure to get under the rim. Let stand for 10 minutes then flush. Rinse applicator completely.

(Or)

TO DISINFECT TOILET BOWLS: Fill toilet bowl with clean water. Apply (Squeeze) 1-2 ounces of bowl cleaner onto bowl brush. Clean the entire unit especially under the rim at water outlets. Allow surface to remain wet 10 minutes. Flush and rinse out bowl brush with clean water. A preliminary cleaning step is required for the removal of heavy soil prior to disinfection.

(Or)

TO DISINFECT TOILET BOWLS: Flush to remove heavy soil. To clean, simply squirt 1-2 ounces of this product under the rim and around sides. Allow it to stand several minutes then scrub entire surface (especially under the rim) with a bowl (toilet) mop. Flush and rinse. To disinfect, squirt 1 ounce of this product under the rim and around the sides. Scrub bowl with mop. Allow solution to remain in the bowl for 10 minutes after scrubbing. Flush and rinse.

(Or)

TO DISINFECT TOILET BOWLS:

1. Remove gross filth and heavy soil deposits.
2. Fill toilet bowl with clean water.
3. Apply 1-2 ounces of this product to swab applicator, cloth, mop, sponge, or directly to surface.
4. Swab entire surface area, especially under the rim.
5. Allow entire surface to remain wet for ten (10) minutes.
6. Flush toilet and rinse swab applicator thoroughly.

(Or)

TOILET BOWL (AND URINAL) DISINFECTION/CLEANER DIRECTIONS: Remove gross filth prior to disinfection. Empty bowl or urinal and apply solution of 1-2 ounces of this product to exposed surfaces including under the rim. Allow toilet bowl to fill with water. Brush or swab thoroughly with a cloth, mop, sponge or sprayer and allow solution to stand for 10 minutes and flush.

(Or)

TO CLEAN AND DISINFECT URINALS: Flush to remove heavy soil. Remove screens and strainers. Then squirt a solution of 1-2 ounces of this product around the edges and top. Allow solution to flow down over surfaces. Allow it to stand several minutes before scrubbing, then flush and rinse. To disinfect, allow solution to remain in urinal at least 10 minutes after scrubbing.

(Or)

TO DISINFECT URINAL:

1. Remove gross filth and heavy soil deposits.
2. Apply solution of 1-2 ounces of this product directly to urinal surfaces including water outlets area for general cleaning.
3. Then pour additional solution on applicator.
4. Clean entire unit, especially under rim at water outlets, with applicator.
5. Remove screen trap to deodorize drain and apply 1 ounce directly on edge and into drain.
6. Wait 10 minutes, flush and rinse applicator.

FOR HEAVY DUTY CLEANING: Empty toilet bowl or urinal and apply 8 ounces of product to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer. Brush or swab thoroughly and allow to stand for 10 minutes and flush. For sprayer application, use a coarse spray device.

TO DISINFECT TUBS, SHOWER STALLS, SINKS, FAUCETS: Swab area and remove gross filth and heavy soil. Apply 1-2 ounces of (product name) onto surface to be cleaned or apply with cloth or sponge to wet all surfaces thoroughly and allow

surface to remain wet for at least 10 minutes. Wipe around with damp cloth or sponge. Do not allow solution to dry on surface. Rinse thoroughly with water.

FOR USE TO CLEAN AND DISINFECT SHOWER ROOMS, LOCKER ROOMS AND OTHER LARGE, OPEN AREAS WITH FLOOR DRAINS:

1. Pre-clean heavily soiled areas.
2. Apply undiluted solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for ten (10) minutes.
Special instructions for foam guns: Pour undiluted solution into foam gun bottle and attach bottle to spray nozzle and ensure gun is attached to hose. (Note: See foam gun instructions for more information. Once in place, squeeze the handle to disperse foam solution. To disinfect, all surfaces must remain wet for ten (10) minutes. (Foam guns not for use in California.)
3. Scrub using a deck brush or other coarse material as necessary.
4. Rinse surfaces thoroughly and let air dry.

Note: Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces, such as appliances and kitchen countertops, must be rinsed with potable water. Do not use this product to clean or disinfect glassware, utensils, dishes or interior surfaces of appliances.

RV HOLDING TANKS/RECREATIONAL VEHICLES: For toilet waste and holding tanks, cover bottom of holding tank with water and 1 to 2 ounces of undiluted solution to deodorize. If odors return before time to empty, add 1-2 ounces to the tank. For kitchen waste, add 1 to 2 ounces to gray water tank as needed to control malodors created by dirty dishwater.

FUNGICIDAL/DEODORIZATION/MOLD & MILDEW

FUNGICIDAL ACTIVITY: This product is effective against Trichophyton mentagrophytes (athlete's foot fungus) (a cause of Ringworm) and Candida albicans on inanimate, hard, non-porous surfaces in locker rooms, dressing rooms and shower and bath areas and exercise facilities. Apply this product undiluted and follow the directions under "Disinfection, Virucidal and Fungicidal Control".

MOLD AND MILDEW CONTROL DIRECTIONS: This product will effectively inhibit the growth of mold and mildew (*Aspergillus niger*) and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears.

GENERAL DEODORIZATION: To deodorize, apply this product undiluted. Excess material must be wiped up or allowed to air dry.

CLEANING/DEODORIZING DIRECTIONS: Apply undiluted solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. If mechanical spray device is used, spray must be coarse. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray. Allow to air dry or wipe up excess liquid.

FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES AND GARBAGE HANDLING EQUIPMENT: It is especially important to pre-clean for the product to perform properly. Apply a wetting solution of this product.

FOR DEODORIZING SEPTIC STORAGE TANKS: When tanks are empty, pour undiluted solution into septic storage tank on recreational vehicles, campers and boats to control the bacteria that can cause odors. As tank fills with sewage and the vehicle is moving, this disinfectant solution will mix and provide an adequate deodorizing solution for this use. This product is to be used on gray and black water tanks only. Check with local, state, or federal authorities before disposing of sewage in accordance to federal, state and local regulations for waste disposal.

AIR FRESHENER/AUTOMOTIVE USES: Effective on smoking and food odors (garlic, fish, onions, etc.), automobile odors from tobacco, musty carpet smell, and beverage smells will be eliminated. This product will effectively neutralize damp musty odors. Spray or apply onto seats, carpets, headliner and ashtray or into trunk and all vents to eliminate odors from tobacco, beverage spills and musty carpet. For sprayer applications, use a coarse spray device. Allow to air dry.

FOR ODORS CAUSED BY DOGS, CATS AND OTHER DOMESTIC ANIMALS: Use on rugs, floors, walls, tile, cages, crates, mats, litter boxes, floor coverings, or any surface soiled by a pet. Test a small inconspicuous area first. Blot problem area. Then follow directions for "General Deodorization".

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON LARGE, INFLATABLE, NON-POROUS PLASTIC AND RUBBER STRUCTURES (animals, promotional items, moonwalks, slides, obstacle course play and exercise equipment): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

TO CONTROL THE GROWTH OF MOLD AND MILDEW ON NON-POROUS ATHLETIC EQUIPMENT: For use on wrestling and gymnastic mats, athletic mats, exercise equipment, athletic training tables, physical therapy tables, athletic helmets, wrestling/boxing headgear, athletic shoe soles. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with undiluted solution for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

GLASS CLEANING/DEODORIZING DIRECTIONS: Use undiluted solution to clean and deodorize windows, mirrors, and glass surfaces. Use a coarse spray device. Spray 6-8 inches from surface. Rub with sponge or cloth. Do not breathe spray.

HUMIDIFIER DIRECTIONS: Formulated for use in portable humidifiers. Thoroughly clean water tank and filters (before each heating season, or sooner if necessary). Add 1 ounce of this product to the tank. Not for use in heat or atomizing type humidifiers.

(OR)

HUMIDIFIER BACTERIA/ALGAE TREATMENT: Formulated for use in portable humidifiers. Thoroughly clean water tank and filters before each heating season, or sooner if necessary. Add 1 ounce of this product. When you refill the tank, add 1 ounce of this product.

Not for use in heat or atomizing type humidifiers.

WATER/SMOKE DAMAGE RESTORATION (Not for use in California)

Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use. This product is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, frame lumber, tackless strip and paneling. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

SEWER BACKUP & RIVER FLOODING: During mitigation procedures, remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction. (Not for use in California)

CARPETS, CARPET CUSHIONS AND OTHER POROUS MATERIALS SUCH AS SUB FLOORS, DRYWALL, TRIM AND FRAME LUMBER, TACKLESS STRIP AND PANELING: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or

agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly. (Not for use in California)

SPECIAL INSTRUCTIONS FOR CLEANING CARPET AGAINST ODOR CAUSING BACTERIA: (Not for use in California): This product can be used in industrial and institutional, commercial and residential areas such as homes, motels & hotel chains, nursing homes, schools and hospital. For use on wet cleanable synthetic fibers. Do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for color fastness.

Do not mix this product with other cleaning products. Follow the cleaning procedures specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

CARPET DEODORIZER AGAINST ODOR-CAUSING BACTERIA, FOR HOME, INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

This product cleans and deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional, commercial and residential areas such as homes, motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use (Use this product) on washable synthetic fibers. Do not use on wool. Test color fastness of carpet before use. Apply product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to the cloth, a water-based product must not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product must not be mixed with other cleaning products.

SMOKE DAMAGE RESTORATION (Not for use in California): Effective against odor causing bacteria and fungi for home, institutional, industrial and hospital use: This product is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

OTHER USES

DISINFECTION OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: After using the whirlpool unit, drain all water from unit. Apply this product undiluted. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly disinfected, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

WATERBED CONDITIONER: When used as a waterbed conditioner, controls the growth of odor-causing and slime-forming bacteria. Prevents bubbles, preserves plasticizers, conditions vinyl interior, sequesters minerals.

If bed has not been treated properly, drain bed completely. Add 15 gallons of water, mix vigorously, drain bed again. Fill bed with water and follow dosage directions.

Dosage: To control growth of odor-causing and slime-forming bacteria, add 10 fluid ounces in a free flow waterbed of 90 to 180 gallon capacity. Add 10 fluid ounces in a waveless/fiber waterbed mattress of 90 to 180 gallon capacity. Repeat application every 4 to 6 months.

CLEANSING OF BODY SURFACES AND BODY ORIFICES OF HUMAN REMAINS:

To cleanse away skin secretions and accompanying malodor, to insure the removal of all soil and bloodstains, apply this product undiluted to the surfaces and body openings, natural or artificial. Bathe the entire body using sponge or washcloth. A soft brush may be employed on surfaces other than the face. Allow a 10 minute contact time for optimal results. Prepare a fresh solution for application of each remains. (Alternate statement: Use fresh undiluted product for application of each remains.)

FOR USE ON FINISHED FLOORS: To limit gloss reduction, use this product undiluted. Apply with a damp mop or auto scrubber. Allow to air dry.

COMMERCIAL FLORIST USE DIRECTIONS: To clean, disinfect and deodorize hard non-porous surfaces in one step, remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply undiluted solution to hard (inanimate) non-porous surfaces, thoroughly wetting surfaces as required, with a cloth, mop, brush, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Allow to air dry. Apply product undiluted and replace if product becomes soiled.

DIRECTIONS FOR HOUSEHOLD USE

KITCHEN/BATHROOM/HOUSEHOLD CLEANING: Apply this product undiluted with a cloth, sponge, mop or directly on surface with a mechanical spray. If a mechanical spray is used spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Do not use on paint or acrylic plastics. Wipe the soiled area clean. This product is not to be used on dishware, glasses or eating utensils.

DISINFECT/DEODORIZE: To disinfect hard, non-porous surfaces such as floors, walls, counters, sinks, tubs, toilets, glazed tile, exterior surfaces of appliances, refrigerators or freezers, microwave exteriors, stove tops and hoods, tables, garbage pails and faucets apply as is with cloth, sponge, mop or mechanical spray. If a mechanical spray is used, spray must be coarse. Hold container 6 inches to 8 inches from surface and spray until thoroughly wet. Treated surface must remain wet for 10 minutes before wiping. For heavily soiled areas a pre-cleaning step is required. The pre-clean step must be done according to the instructions under Kitchen/Bathroom/Household Cleaning. Rinse with potable water after use on surfaces that come in contact with food.

SANITIZER DIRECTIONS FOR NON-FOOD CONTACT SURFACES

SANITIZATION OF HARD, NON-POROUS SURFACES IN WHIRLPOOL UNITS: To remove body oils, dead tissue, soil and all other buildups or organic matter on inanimate surfaces after using the whirlpool unit, drain the water. Add undiluted solution to just cover the intake valve. Briefly start the pump to circulate the solution. Turn off the pump. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 5 minutes. After the unit has been thoroughly sanitized, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units. The unit is ready for reuse

SANITIZATION OF EXTERIOR HOUSEHOLD SURFACES DIRECTIONS

Preparation of Use Solution: Add undiluted solution to sanitize hard, non-porous exterior surfaces such as vinyl, plastic, sealed concrete, painted or sealed woodwork,

and sealed stucco. Surfaces to be treated include house siding, decks, patios, walkways and driveways.

Application: Preclean surfaces. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer, or with a low-pressure (less than 60 psi) airless sprayer so as to wet all surfaces thoroughly. Treated surfaces must remain wet for 3 minutes. Wearing suitable respiratory protective equipment to control exposure to spray, pressure wash surfaces to thoroughly clean all treated areas using a high-pressure spray. Do not breathe spray. One-half gallon of undiluted product will treat 200-300 sq ft of surface. User must wear protective eyewear as well as respiratory protective equipment.

DIRECTIONS FOR ALTERNATE CONTAINERS

BAG-IN BOX CONTAINERS

How to use this package: This package is designed to be used with dilution control systems only. Open package and connect to dispense according to directions on the box.

TRIGGER SPRAYERS: Fill bottle from dispenser. Apply to surfaces according to directions above.

MOP BUCKETS: Fill bucket from dispenser. Set up "Wet Floor" signs. Mop floor surfaces as specified in directions above.

REFILLS

To Refill Concentrate From Large Containers Into Smaller Containers: This product can be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled according to state and local regulations. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour (or pump product) from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.

(If the container is greater than one gallon use the following storage and disposal statements.)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL (Larger than 1 gal.): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(If container is one gallon or less use the following storage and disposal statements.)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

(Storage and Disposal for Households)

STORAGE AND DISPOSAL

Store in areas inaccessible to small children. Wrap in newspaper and discard in trash or recycle.

(Note to Reviewer: The following statements should be considered as alternate statements at this time. However, they will be required on the label after 8/16/10 per the Container Standard Regulations. We are including the statements for review at this time because our customers are inquiring whether they can make these statements on their labels now.)

(OR)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

(FOR USE ON NON-REFILLABLE CONTAINERS WITH HOUSEHOLD/RESIDENTIAL USES)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL/CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Wrap and put in trash or offer for recycling if available.

Batch Code: *(Can be placed on container or label)*

(FOR USE ON NON-REFILLABLE CONTAINERS WITH NO HOUSEHOLD/RESIDENTIAL USES)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). Triple rinse (or equivalent). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling for available or puncture and dispose in a sanitary landfill, or by other

procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

RESIDUE REMOVAL INSTRUCTIONS: *(For containers less than one gallon)*

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

RESIDUE REMOVAL INSTRUCTIONS: *(For containers greater than one gallon)*

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

BATCH CODE: *(Can be placed on container or label)*

(FOR USE ON REFILLABLE CONTAINERS)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

CONTAINER HANDLING: Triple rinse (or equivalent). Refill this container with this product only. Do not reuse this container for any other purpose.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

RESIDUE REMOVAL INSTRUCTIONS: Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

CHEMICAL NAME/PESTICIDE CHEMICAL CODE (PCC)

REQUEST FORM

CR# 12-001

REQUESTOR NAME: Juan F. Negrón		Request date: 01/03/12	
Tel: 703-308-8116	ORG.: AD	ROOM: 8848	MAIL CODE: 7510P

CSF ATTACHED:

- ☒ YES If CSF is attached complete Item A and the chemical name in item C.
☐ NO If CSF is not attached complete Item A through C.

A. INFORMATION REQUIRED:

% Check Applicable Category

- ☐ Provide PCC and Tolerance Exemption Status For Food-Use Inert ingredient (s).
☒ Provide PCC for Non-Food Use inert Ingredient (s).
☐ Provide PCC for Active Ingredient (s).
☐ Provide PCC for Dye.
☐ Determine if Fragrance is Acceptable for Use In Formulation.
☐ Other (Describe): _____

B. PESTICIDE PRODUCT INFORMATION:

EPA Reg. No/File Symbol 10324-80	Product Name: Maquat 5.5-M
Registrant: Mason Chemical Company	Food-Use Pesticide: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Percent in Formulation (For Fragrance (% /Dyes %)	

C. INGREDIENT INFORMATION:

Ingredient No.1

INFORMATION REPORTED:

Chem. Name:	PCC:
Trade Name:	TOL. STATUS:
Comment:	OTHER INF.:

Ingredient No.2:

Chem. Name:	PCC:
Trade Name:	TOL. STATUS:
CAS Reg. No.:	OTHER INF.:

Ingredient No.3

Chem. Name:	PCC:
Trade Name:	TOL. STATUS:
CAS Reg. No.:	OTHER INF.:

Ingredient No.4:

Chem. Name:	PCC:
Trade Name:	TOL. STATUS:
CAS Reg. No.:	OTHER INF.:

Approved By: D. R. R.Dated approved: 1/3/11

DATA PACKAGE BEAN SHEET

Date: 17-Mar-2009

Page 1 of 2

Decision #: 407427

DP #: (363122)

NON PRIA

Parent DP #:

Submission #: 845912

*** Registration Information ***

Registration: **10324-85 - MAQUAT 86-M**

Company: 10324 - MASON CHEMICAL CO

Risk Manager: RM 31 - Velma Noble - (703) 308-6233 Room# PY1 S-8855

Risk Manager Reviewer: Jacqueline Campbell-McFarlane JMC FAR02

Sent Date: _____

Calculated Due Date: 02-Jun-2009

Edited Due Date: _____

Type of Registration: Product Registration - Section 3

Action Desc: (362) FORMULA CHANGE; TECHNICAL;

Ingredients: See page 2

*** Data Package Information ***

Expedite: ☐ Yes ☒ No

Date Sent: 17-Mar-2009

Due Back: _____

DP Ingredient: See page 2

DP Title: _____

CSF Included: ☐ Yes ☒ No

Label Included: ☐ Yes ☒ No

Parent DP #: _____

Assigned To

Date In

Date Out

Organization: AD / PSB

3/18/09

Last Possible Science Due Date: 18-Apr-2009

Team Name: CTT

3/18/09

Science Due Date: 5/1/09

Reviewer Name: Alex

3/17/09

Sub Data Package Due Date: 5/15/09

Contractor Name: _____

*** Studies Sent for Review ***

No Studies

*** Additional Data Package for this Decision ***

No Additional Data Packages

*** Data Package Instructions ***

Registrant has submitted CSF to be reviewed. (Not in group)

Family 10 or 1

RECEIVED
3/18/09



MASON CHEMICAL COMPANY
"The Quaternary Specialists"

1721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

E.P.A. Reg. No. 10324-85
 E.P.A. Est. No. 10324-IL-1

Net Contents:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

(If container is 5 gallons or larger the following statement must appear on the label.)

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents.

(If the container is greater than one gallon use the following storage and disposal statements.)

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL (Larger than 1 gal.): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(If container is one gallon or less use the following storage and disposal statements.)

STORAGE AND DISPOSAL

Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls. Do not reuse empty container. Wrap and discard in trash (or recycle).

(Storage and Disposal for Households)

STORAGE AND DISPOSAL

Store in areas inaccessible to small children. Wrap in newspaper and discard in trash or recycle.

FEB 21 2007

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 amended for the pesticide,
 registered under EPA Reg. No.

Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (non-food contact surface), Virucide*, Deodorizer for Hospitals, Nursing Homes, Whirlpools, Home, Institutional, Industrial, Schools, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Non-Acid Bathroom Cleaner.

Formulated for effective Poultry Sanitation.

Formulated for effective Swine Premise Sanitation.

Formulated for effective Mushroom Farm Sanitation.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride	0.028%
Didecyl Dimethyl Ammonium Chloride	0.013%
Diocetyl Dimethyl Ammonium Chloride	0.013%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₀ , 10%) dimethyl benzyl ammonium chloride	0.034%

INERT INGREDIENTS: 99.914%
TOTAL 100.000%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See left panel for additional precautionary statements.

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

